

PRODUCT CATALOG



[www.signalchem.com](http://www.signalchem.com)



# SIGNALCHEM

## Product Catalog

### OUR GOAL

SignalChem is a biotechnology company focused on the research, development and production of innovative cell signaling products for the advancement of basic life sciences research and drug discovery efforts. Specific emphasis is placed on the production of highly purified biologically-active human recombinant proteins.

SignalChem is a leader in the recombinant protein market. We strive to produce products to fulfill the needs of scientists in both academia and the biotech industry. All of SignalChem's products are subjected to rigorous testing and quality control analyses to ensure the highest quality proteins are produced.

### PRICES

Prices listed on the SignalChem website are expressed in US dollars\*. For orders placed outside of North America, our representative can redirect you to the appropriate distributor for your territory.

### BULK ORDERS

All products supplied by SignalChem are available for purchase in bulk quantities or as custom preparations. Should you require our products to be supplied in different pack sizes to meet your specific research requirements, please contact us at [info@signalchem.com](mailto:info@signalchem.com).

### PAYMENT TERMS

Terms of payment are net thirty (30) days, unless otherwise specified. Pre-payment may be required prior to shipping in certain territories. All sales are F.O.B. from point of shipment, pre-paid and added to the invoice.

### SHIPPING

All orders to be shipped within North America, which are received by 10:00 AM PST (1:00 PM EST) Monday to Wednesday will usually be shipped out on the same day. North American customers will typically receive their orders within 1-2 business days. International orders are shipped on Fridays only. Freight charges may include, but are not limited to priority service and packaging materials. SignalChem is not responsible for any fees that may be incurred by your order such as brokerage costs, duties and taxes.

### TECHNICAL SUPPORT

Should you require technical support, our team of protein experts will be available to assist you from 7:00 AM to 5:00 PM PST (10:00 AM to 8:00 PM EST).

### PROMOTIONS

To maximize your savings on your next purchase of SignalChem's products, please visit our website regularly to view all of our current promotions.

\*Prices are listed on the SignalChem website and are subject to change without notice.

### CONTACT INFORMATION

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[www.signalchem.com](http://www.signalchem.com)

### ORDER INFORMATION

[orders@signalchem.com](mailto:orders@signalchem.com)

Orders can be placed by phone, fax  
or email.



# » Contents

## Active Enzymes

2-20

Active Acetyltransferases  
 Active Arginine Deiminases  
 Active GTPases  
 Active Histone Deacetylases  
 Active Kinase Mutants

Active Kinases  
 Active Lipid Kinases  
 Active Methyltransferases  
 Active Phosphatases  
 Active Phosphodiesterases

## Signaling Proteins

21-33

Acetyl/Methyltransferases  
 Adaptor Proteins  
 Apoptosis Proteins  
 Arginine Deiminases  
 Cell Cycle Proteins  
 Cell Stress & Chaperone Proteins  
 Cellular Proteins  
 Deacetylase/Demethylases  
 Dihydropyrimidinase  
 Dioxygenases  
 Fructose Kinases

G-Proteins  
 Kinase Mutant Proteins  
 Kinase Proteins  
 Lysyl Oxidases  
 Microtubule/Actin Associated Proteins  
 Phospholipase C Proteins  
 Superoxide Dismutases  
 Tau Proteins  
 Transcription Proteins  
 Ubiquitin Proteins  
 Unactive Kinases

## Antibodies

34-42

Isoform Specific Antibodies  
 Modification Antibodies  
 Phospho Specific Antibodies

Primary Antibodies  
 Secondary Antibodies  
 Tag Antibodies

## Biochemicals

42-52

Epigenetic Enzyme Activators  
 Epigenetic Enzyme Inhibitors  
 Kinase Activators  
 Kinase Inhibitors

Phosphatase Inhibitors  
 siRNA Controls  
 siRNA Sets  
 Proteases

## Extracellular Ligands

52-55

Chemokines  
 Cytokines

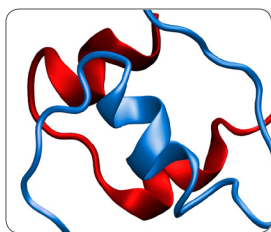
Growth Factors

## Signaling Reagents

55-59

Assay Reagents  
 Lipid Substrates  
 Oligo Substrates

Peptide Substrates  
 Protein Substrates



## ACTIVE ENZYME OFFERINGS

Active Enzymes are effective tools for identifying and testing specific inhibitory and activating compounds that modulate cell signaling pathways. SignalChem has a comprehensive catalog of over **700** Active Enzymes. Please visit our website regularly to see our newest products!

### Active Acetyltransferases

Name	Catalog #	Species	Sequence	Expression System	Tag
KAT2A (GCN5), Active	K311-381G	Human	323-end	Sf9 cells	GST
KAT2B (PCAF), Active	K311-381BG	Human	431-end	Sf9 cells	GST
KAT3A (CREBBP), Active	K312-381G	Human	1319-1710	Sf9 cells	GST
KAT5 (TIP60), Active	K314-380G	Human	Full Length	Sf9 cells	GST
KAT6B (MYST4), Active	K315-381BG	Human	431-end	Sf9 cells	GST
KAT7 (MYST2), Active	K316-380G	Human	Full Length	Sf9 cells	GST

### Active Arginine Deiminases

Name	Catalog #	Species	Sequence	Expression System	Tag
PAD Cocktail, Active	P312-37C	N/A	Full Length		

### Active GTPases

Name	Catalog #	Species	Sequence	Expression System	Tag
CDC42, Active	C108-310GH	Human	Full Length	E. coli cells	GST/HIS
HRAS1 (Mature form), Active	R105-310H	Human	2-186	E. coli cells	HIS
KRAS (Mature form), Active	R106-310H	Human	2-186	E. coli cells	HIS
NRAS (Mature form), Active	R107-310H	Human	2-186	E. coli cells	HIS
RAC1, Active	R103-310G	Human	Full Length	E. coli cells	GST
RAC2, Active	R104-310H	Human	Full Length	E. coli cells	HIS
RAC3, Active	R102-310H	Human	Full Length	E. coli cells	HIS
RhoA (Mature form), Active	R144-310H	Human	1-190	E. coli cells	HIS
RhoC (Mature form), Active	R144-310CH	Human	1-190	E. coli cells	HIS
RhoD (Mature form), Active	R144-310DH	Human	1-207	E. coli cells	HIS

### Active Histone Deacetylases

Name	Catalog #	Species	Sequence	Expression System	Tag
HDAC1, Active	H83-30G	Human	Full Length	Sf9 cells	GST
HDAC2, Active	H84-30G	Human	Full Length	Sf9 cells	GST
HDAC3, Active	H85-30G	Human	Full Length	Sf9 cells	GST
HDAC3/NCOR2, Active	H85-38G	Human	HDAC3 (Full Length)/ NCOR2 (237-489)	Sf9 cells	GST
HDAC4, Active	H86-31G	Human	612-end	Sf9 cells	GST
HDAC5, Active	H87-31G	Mouse	617-end	Sf9 cells	GST
HDAC6, Active	H88-30G	Human	Full Length	Sf9 cells	GST
HDAC7, Active	H89-31G	Human	501-end	Sf9 cells	GST
HDAC8, Active	H90-30H	Human	Full Length	Sf9 cells	HIS
HDAC8, Active	H90-30G	Human	Full Length	Sf9 cells	GST
HDAC9, Active	H91-31G	Human	548-end	Sf9 cells	GST
HDAC10, Active	H92-31G	Human	1-482	Sf9 cells	GST

## Active Histone Deacetylases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
HDAC11, Active	H93-30G	Human	Full Length	Sf9 cells	GST
SIRT1, Active	S35-31H	Human	193-end	Sf9 cells	HIS
SIRT2, Active	S36-30H	Human	Full Length	Sf9 cells	HIS
SIRT3, Active	S37-38G	Human	47-end	Sf9 cells	GST
SIRT5, Active	S39-30H	Human	Full Length	Sf9 cells	HIS
SIRT6, Active	S40-31H	Human	23-end	Sf9 cells	HIS
SIRT7, Active	S41-30H	Human	Full Length	Sf9 cells	HIS

## Active Kinase Mutants

Name	Catalog #	Species	Sequence	Expression System	Tag
ABL1 Mutant (E255K), Active	A03-12BG	Human	27-end (E255K)	Sf9 cells	GST
ABL1 Mutant (E255V), Active	A03-12HH	Human	27-end (E255V)	Sf9 cells	HIS
ABL1 Mutant (F317I), Active	A03-12JG	Human	27-end (F317I)	Sf9 cells	GST
ABL1 Mutant (F317L), Active	A03-12IG	Human	27-end (F317L)	Sf9 cells	GST
ABL1 Mutant (G250E), Active	A03-12CG	Human	27-end (G250E)	Sf9 cells	GST
ABL1 Mutant (H396P), Active	A03-12LG	Human	27-end (H396P)	Sf9 cells	GST
ABL1 Mutant (M351T), Active	A03-12KG	Human	27-end (M351T)	Sf9 cells	GST
ABL1 Mutant (Q252H), Active	A03-12FG	Human	27-end (Q252H)	Sf9 cells	GST
ABL1 Mutant (T315I), Active	A03-12DG	Human	27-end (T315I)	Sf9 cells	GST
ABL1 Mutant (V299L), Active	A03-12MG	Human	27-end (V299L)	Sf9 cells	GST
ABL1 Mutant (Y253F), Active	A03-12EG	Human	27-end (Y253F)	Sf9 cells	GST
ABL1 Mutant (Y253H), Active	A03-12GH	Human	27-end (Y253H)	Sf9 cells	GST
AKT1 Mutant (E17K), Active	A16-12G	Human	Full Length (E17K)	Sf9 cells	GST
AKT2 Mutant (E17K), Active	A17-12G	Human	Full Length (E17K)	Sf9 cells	GST
AKT2 Mutant (R274H), Active	A17-12BG	Human	Full Length (R274H)	Sf9 cells	GST
AKT3 Mutant (E17K), Active	A18-12G	Human	Full Length (E17K)	Sf9 cells	GST
AKT3 Mutant (G171R), Active	A18-12BG	Human	Full Length (G171R)	Sf9 cells	GST
ALK Mutant (C1156Y), Active	A19-12DG	Human	1060-end (C1156Y)	Sf9 cells	GST
ALK Mutant (F1174L), Active	A19-12EG	Human	1060-end (F1174L)	Sf9 cells	GST
ALK Mutant (F1174S), Active	A19-12FG	Human	1060-end (F1174S)	Sf9 cells	GST
ALK Mutant (G1202R), Active	A19-12HG	Human	1060-end (G1202R)	Sf9 cells	GST
ALK Mutant (G1269A), Active	A19-12JG	Human	1060-end (G1269A)	Sf9 cells	GST
ALK Mutant (G1269S), Active	A19-12KG	Human	1060-end (G1269S)	Sf9 cells	GST
ALK Mutant (L1152R), Active	A19-12CG	Human	1060-end (L1152R)	Sf9 cells	GST
ALK Mutant (L1196M), Active	A19-12GG	Human	1060-end (L1196M)	Sf9 cells	GST
ALK Mutant (R1275Q), Active	A19-12LG	Human	1060-end (R1275Q)	Sf9 cells	GST
ALK Mutant (S1206R), Active	A19-12IG	Human	1060-end (S1206R)	Sf9 cells	GST
ALK Mutant (T1151M), Active	A19-12BG	Human	1060-end (T1151M)	Sf9 cells	GST
ALK Mutant (T1151_L1152insT), Active	A19-12G	Human	1060-end (T1151_L1152insT)	Sf9 cells	GST
ALK2 Mutant (PF197_198L), Active	A06-12FG	Human	147-end (PF197_198L)	Sf9 cells	GST
ALK2 Mutant (Q207D), Active	A06-13CG	Human	147-end (Q207D)	Sf9 cells	GST
ALK2 Mutant (Q207E), Active	A06-13DG	Human	147-end (Q207E)	Sf9 cells	GST
ALK2 Mutant (R206H), Active	A06-12BG	Human	147-end (R206H)	Sf9 cells	GST
ALK3 Mutant (Q233D), Active	B04-12BG	Human	187-end (Q233D)	Sf9 cells	GST
ALK3 Mutant (R486Q), Active	B04-12CG	Human	187-end (R486Q)	Sf9 cells	GST
AXL Mutant (R499C), Active	A34-12BG	Human	473-end (R499C)	Sf9 cells	GST
BCR-RET Mutant, Active	R02-19EG	Human	1-426 (BCR) - 713-end (RET)	Sf9 cells	GST
BRAF Mutant (d485-489 P490Y), Active	B08-12IG	Human	381-end or exon 9-18 (d485-489 P490Y)	Sf9 cells	GST
BRAF Mutant (G464V), Active	B08-12JG	Human	381-end or exon 9-18 (G464V)	Sf9 cells	GST
BRAF Mutant (G469A), Active	B08-12FG	Human	381-end or exon 9-18 (G469A)	Sf9 cells	GST

## Active Kinase Mutants (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
BRAF Mutant (K601E), Active	B08-12BG	Human	416-end (K601E)	Sf9 cells	GST
BRAF Mutant (L597V), Active	B08-12HG	Human	381-end or exon 9-18 (L597V)	Sf9 cells	GST
BRAF Mutant (R506_K507insVLR), Active	B08-13CG	Human	381-end or exon 9-18 (R506_K507insVLR)	Sf9 cells	GST
BRAF Mutant (T599_V600insT), Active	B08-13BG	Human	416-end (T599_V600insT)	Sf9 cells	GST
BRAF Mutant (V600A), Active	B08-12EG	Human	381-end or exon 9-18 (V600A)	Sf9 cells	GST
BRAF Mutant (V600D), Active	B08-12CG	Human	381-end or exon 9-18 (V600D)	Sf9 cells	GST
BRAF Mutant (V600E), Active	B08-12G	Human	416-end (V600E)	Sf9 cells	GST
BRAF Mutant (V600K), Active	B08-12DG	Human	381-end or exon 9-18 (V600K)	Sf9 cells	GST
BTK Mutant (C481S), Active	B10-12CH	Human	Full Length (C481S)	Sf9 cells	HIS
BTK Mutant (P190K), Active	B10-12BH	Human	Full Length (P190K)	Sf9 cells	HIS
c-KIT Mutant (A829P), Active	C06-12HG	Human	544-end (A829P)	Sf9 cells	GST
c-KIT Mutant (d557-558), Active	K06-12WG	Human	544-end (D557-558)	Sf9 cells	GST
c-KIT Mutant (D816E), Active	C06-12IG	Human	544-end (D816E)	Sf9 cells	GST
c-KIT Mutant (D816F), Active	C06-12JG	Human	544-end (D816F)	Sf9 cells	GST
c-KIT Mutant (D816H), Active	C06-12KG	Human	544-end (D816H)	Sf9 cells	GST
c-KIT Mutant (D816I), Active	K06-12XG	Human	544-end (D816I)	Sf9 cells	GST
c-KIT Mutant (D816V), Active	C06-12LG	Human	544-end (D816V)	Sf9 cells	GST
c-KIT Mutant (D816Y), Active	C06-12MG	Human	544-end (D816Y)	Sf9 cells	GST
c-KIT Mutant (D820E), Active	K06-12BG	Human	544-end (D820E)	Sf9 cells	GST
c-KIT Mutant (D820Y), Active	K06-12CG	Human	544-end (D820Y)	Sf9 cells	GST
c-KIT Mutant (K642E), Active	C06-12NG	Human	544-end (K642E)	Sf9 cells	GST
c-KIT Mutant (L576P), Active	K06-12UG	Human	544-end (L576P)	Sf9 cells	GST
c-KIT Mutant (N822K), Active	K06-12DG	Human	544-end (N822K)	Sf9 cells	GST
c-KIT Mutant (T670E), Active	K06-12EG	Human	544-end (T670E)	Sf9 cells	GST
c-KIT Mutant (T670I), Active	C06-12FG	Human	544-end (T670I)	Sf9 cells	GST
c-KIT Mutant (V559A), Active	C06-12OG	Human	544-end (V559A)	Sf9 cells	GST
c-KIT Mutant (V559D T670I), Active	K06-12QG	Human	544-end (V559D T670I)	Sf9 cells	GST
c-KIT Mutant (V559D V654A), Active	K06-12RG	Human	544-end (V559D V654A)	Sf9 cells	GST
c-KIT Mutant (V559D), Active	C06-12PG	Human	544-end (V559D)	Sf9 cells	GST
c-KIT Mutant (V560G D816V), Active	C06-12TG	Human	544-end (V560G D816V)	Sf9 cells	GST
c-KIT Mutant (V560G N822K), Active	K06-12VG	Human	544-end (V560G N822K)	Sf9 cells	GST
c-KIT Mutant (V560G), Active	C06-12SG	Human	544-end (V560G)	Sf9 cells	GST
c-KIT Mutant (V654A), Active	K06-13G	Human	544-end (V654A)	Sf9 cells	GST
c-KIT Mutant (Y823D), Active	K06-12GG	Human	544-end (Y823D)	Sf9 cells	GST
c-MER Mutant (A708S), Active	M51-12BG	Human	578-872 (A708S)	Sf9 cells	GST
CK1 epsilon Mutant (R178C), Active	C66-12BG	Human	Full length (R178C)	Sf9 cells	GST
DDR1 Mutant (S496A), Active	D05-12G	Human	444-end (S496A)	Sf9 cells	GST
DDR2 Mutant (T654M), Active	D06-12G	Human	467-end (T654M)	Sf9 cells	GST
EGFR Mutant (A763_Y764insFHEA), Active	E10-13BG	Human	695-end (A763_Y764insFHEA)	Sf9 cells	GST
EGFR Mutant (A763_Y764insFHEA), Active	E10-132BG	Human	668-end (A763_Y764insFHEA)	Sf9 cells	GST
EGFR Mutant (C797A), Active	E10-12RG	Human	695-end (C797A)	Sf9 cells	GST
EGFR Mutant (C797S L858R), Active	E10-122ZG	Human	668-end (C797S L858R)	Sf9 cells	GST
EGFR Mutant (C797S), Active	E10-12SG	Human	695-end (C797S)	Sf9 cells	GST
EGFR Mutant (C797S), Active	E10-122SG	Human	668-end (C797S)	Sf9 cells	GST
EGFR Mutant (d746), Active	E10-12IG	Human	695-end (d746)	Sf9 cells	GST
EGFR Mutant (d746-750 C797S), Active	E10-12TG	Human	695-end (d746-750 C797S)	Sf9 cells	GST
EGFR Mutant (d746-750 T790M C797S) L858R), Active	E10-122YG	Human	668-end (d746-750 T790M C797S L858R)	Sf9 cells	GST
EGFR Mutant (d746-750 T790M C797S), Active	E10-12UG	Human	695-end (d746-750 T790M C797S)	Sf9 cells	GST
EGFR Mutant (d746-750 T790M C797S), Active	E10-122UG	Human	668-end (d746-750 T790M C797S)	Sf9 cells	GST
EGFR Mutant (d746-750 T790M L858R), Active	E10-122XG	Human	668-end (d746-750 T790M L858R)	Sf9 cells	GST



## Active Kinase Mutants (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
EGFR Mutant (d746-750 T790M L978I), Active	E10-122WG	Human	668-end (d746-750 T790M L978I)	Sf9 cells	GST
EGFR Mutant (d746-750 T790M), Active	E10-122KG	Human	668-end (d746-750 T790M)	Sf9 cells	GST
EGFR Mutant (d746-750), Active	E10-12JG	Human	695-end (d746-750)	Sf9 cells	GST
EGFR Mutant (d746-750), Active	E10-122JG	Human	668-end (d746-750)	Sf9 cells	GST
EGFR Mutant (d747-749 A750P), Active	E10-12MG	Human	695-end (d747-749 A750P)	Sf9 cells	GST
EGFR Mutant (d747-749), Active	E10-12LG	Human	695-end (d747-749)	Sf9 cells	GST
EGFR Mutant (d747-752 P753S), Active	E10-12NG	Human	695-end (d747-752 P753S)	Sf9 cells	GST
EGFR Mutant (d752-759), Active	E10-12OG	Human	695-end (d752-759)	Sf9 cells	GST
EGFR Mutant (D761Y), Active	E10-12QG	Human	695-end (D761Y)	Sf9 cells	GST
EGFR Mutant (D770GY), Active	E10-13KG	Human	695-end (D770GY)	Sf9 cells	GST
EGFR Mutant (D770_N771insGF) Protein	E10-13IG	Human	695-end (D770_N771insGF)	Sf9 cells	GST
EGFR Mutant (D770_N771insNPG), Active	E10-13GG	Human	695-end (D770_N771insNPG)	Sf9 cells	GST
EGFR Mutant (D770_N771insNPG), Active	E10-132GG	Human	668-end (D770_N771insNPG)	Sf9 cells	GST
EGFR Mutant (G719C), Active	E10-12FG	Human	695-end (G719C)	Sf9 cells	GST
EGFR Mutant (G719D), Active	E10-12GG	Human	695-end (G719D)	Sf9 cells	GST
EGFR Mutant (G719S), Active	E10-12HG	Human	695-end (G719S)	Sf9 cells	GST
EGFR Mutant (H773_V774insAH) Protein	E10-13PG	Human	695-end (H773_V774insAH)	Sf9 cells	GST
EGFR Mutant (H773_V774insH) Protein	E10-13RG	Human	695-end (H773_V774insH)	Sf9 cells	GST
EGFR Mutant (L747S), Active	E10-12PG	Human	695-end (L747S)	Sf9 cells	GST
EGFR Mutant (L858R), Active	E10-12BG	Human	695-end (L858R)	Sf9 cells	GST
EGFR Mutant (L858R), Active	E10-122BG	Human	668-end (L858R)	Sf9 cells	GST
EGFR Mutant (L861Q), Active	E10-12CG	Human	695-end (L861Q)	Sf9 cells	GST
EGFR Mutant (P772_H773insNPH), Active	E10-13MG	Human	695-end (P772_H773insNPH)	Sf9 cells	GST
EGFR Mutant (T790M C797S L858R), Active	E10-12VG	Human	695-end (T790M C797S L858R)	Sf9 cells	GST
EGFR Mutant (T790M C797S L858R), Active	E10-122VG	Human	668-end (T790M C797S L858R)	Sf9 cells	GST
EGFR Mutant (T790M C797S), Active	E10-122B2G	Human	668-end (T790M C797S)	Sf9 cells	GST
EGFR Mutant (T790M L858R), Active	E10-12DG	Human	695-end (T790M L858R)	Sf9 cells	GST
EGFR Mutant (T790M L858R), Active	E10-122DG	Human	668-end (T790M L858R)	Sf9 cells	GST
EGFR Mutant (T790M), Active	E10-12EG	Human	695-end (T790M)	Sf9 cells	GST
EGFR Mutant (T790M), Active	E10-122EG	Human	668-end (T790M)	Sf9 cells	GST
EML4-ALK Mutant, Active	A19-19G	Human	1-496 (EML4) 1058-end (ALK)	Sf9 cells	GST
FAM131B-BRAF Mutant (Fex2Bex9), Active	B08-19EG	Human	1-30 exon 2 (FAB131B) - 381-end or exon 9-18 (BRAF)	Sf9 cells	GST
FGFR1 Mutant (V561M), Active	F04-13G	Human	399-822 (V561M)	Sf9 cells	GST
FGFR1OP-FGFR1 Mutant, Active	F04-19BG	Human	1-173 (FGFR1OP) 429-end (FGFR1)	Sf9 cells	GST
FGFR2 Mutant (E565G), Active	F05-12CG	Human	285-end (E565G)	Sf9 cells	GST
FGFR2 Mutant (K526E), Active	F05-12BG	Human	285-end (K526E)	Sf9 cells	GST
FGFR2 Mutant (K641R), Active	F05-12DG	Human	285-end (K641R)	Sf9 cells	GST
FGFR2 Mutant (K659N), Active	F05-12EG	Human	285-end (K659N)	Sf9 cells	GST
FGFR2 Mutant (N549H), Active	F05-12G	Human	285-end (N549H)	Sf9 cells	GST
FGFR2 Mutant (R612T), Active	F05-12GG	Human	285-end (R612T)	Sf9 cells	GST
FGFR2 Mutant (V564F), Active	F05-12FG	Human	285-end (V564F)	Sf9 cells	GST
FGFR3 Mutant (G697C), Active	F06-12FG	Human	397-end (G697C)	Sf9 cells	GST
FGFR3 Mutant (K650E), Active	F06-12CG	Human	397-end (K650E)	Sf9 cells	GST
FGFR3 Mutant (K650M), Active	F06-12DG	Human	397-end (K650M)	Sf9 cells	GST
FGFR3 Mutant (K650Q), Active	F06-12EG	Human	397-end (K650Q)	Sf9 cells	GST
FGFR3 Mutant (V555M), Active	F06-12GG	Human	397-end (V555M)	Sf9 cells	GST
FGFR4 Mutant (N535K), Active	F07-12G	Human	460-end (N535K)	Sf9 cells	GST
FGFR4 Mutant (V550E), Active	F07-12BG	Human	460-end (V550E)	Sf9 cells	GST
FGFR4 Mutant (V550L), Active	F07-12CG	Human	460-end (V550L)	Sf9 cells	GST
FGFR4 Mutant (V550M), Active	F07-12DG	Human	460-end (V550M)	Sf9 cells	GST

## Active Kinase Mutants (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
FIP1L1-PDGFR alpha Mutant, Active	P12-19BG	Human	1-265 (FIP1L1)	Sf9 cells	GST
FLT3 Mutant (D835Y), Active	F12-12BG	Human	571-993 (D835Y)	Sf9 cells	GST
FLT3 Mutant (F594_R595insR), Active	F12-12EG	Human	571-993 (F594_R595insR)	Sf9 cells	GST
FLT3 Mutant (F594_R595insREY), Active	F12-12FG	Human	571-993 (F594_R595insREY)	Sf9 cells	GST
FLT3 Mutant (R595_E596insEY), Active	F12-12GG	Human	571-993 (R595_E596insEY)	Sf9 cells	GST
FLT3 Mutant (Y591-V592insVDFREYEYD), Active	F12-12HG	Human	571-993 (Y591-V592insVDFREYEYD)	Sf9 cells	GST
FLT3 Mutant (N676K), Active	F12-12IG	Human	571-993 (N676K)	Sf9 cells	GST
FLT3-ITD-NPOS Mutant, Active	F12-12DG	Human	571-993 (FLT3-ITD-NPOS)	Sf9 cells	GST
FLT3-ITD-W51 Mutant, Active	F12-12CG	Human	571-993 (FLT3-ITD-W51)	Sf9 cells	GST
GOPC-ROS1 Mutant, Active	R14-19BG	Human	1-419 (GOPC) - 1881-end (ROS1)	Sf9 cells	GST
HER2 Mutant (A775_G776insYVMA), Active	E27-13BG	Human	676-end (A775_G776insYVMA)	Sf9 cells	GST
HER2 Mutant (d755-759), Active	E27-12BG	Human	676-end (d755-759)	Sf9 cells	GST
HER2 Mutant (D769H), Active	E27-12GG	Human	676-end (D769H)	Sf9 cells	GST
HER2 Mutant (D769Y), Active	E27-12HG	Human	676-end (D769Y)	Sf9 cells	GST
HER2 Mutant (G776VC), Active	E27-13EG	Human	676-end (G776VC)	Sf9 cells	GST
HER2 Mutant (I767M), Active	E27-12NG	Human	676-end (I767M)	Sf9 cells	GST
HER2 Mutant (L755S), Active	E27-12EG	Human	676-end (L755S)	Sf9 cells	GST
HER2 Mutant (L755W), Active	E27-12FG	Human	676-end (L755W)	Sf9 cells	GST
HER2 Mutant (P780_Y781insGSP), Active	E27-13DG	Human	676-end (P780_Y781insGSP)	Sf9 cells	GST
HER2 Mutant (R896C), Active	E27-12KG	Human	676-end (R896C)	Sf9 cells	GST
HER2 Mutant (V777L), Active	E27-12IG	Human	676-end (V777L)	Sf9 cells	GST
HER2 Mutant (V777_G778insCG), Active	E27-13CG	Human	676-end (V777_G778insCG)	Sf9 cells	GST
HER2 Mutant (V842I), Active	E27-12JG	Human	676-end (V842I)	Sf9 cells	GST
JAK1 Mutant (R724H), Active	J01-12BG	Human	438-end (R724H)	Sf9 cells	GST
KIAA1549-BRAF Mutant (Kex15Bex9), Active	B08-19CG	Human	1320-1643 exon15(KIAA1549) - 381-end or exon9-18 (BRAF)	Sf9 cells	GST
KIAA1549-BRAF Mutant (Kex16Bex9), Active	B08-19BG	Human	1320-1749 exon16 (KIAA1549) - 381-end or exon9-18 (BRAF)	Sf9 cells	GST
KSR1 Mutant (A635F), Active	K07-122G	Human	335-end (A635F)	Sf9 cells	GST
KSR1 Mutant (L639F), Active	K07-122BG	Human	335-end (L639F)	Sf9 cells	GST
KSR1 Mutant (A635F), Active	K07-12G	Human	431-end (A635F)	Sf9 cells	GST
KSR1 Mutant (L639F), Active	K07-12BG	Human	431-end (L639F)	Sf9 cells	GST
KSR2 Mutant (R676S), Active	K08-12BG	Human	554-end (R676S)	Sf9 cells	GST
LRRK2 Mutant (D1994A), Active	L10-12FG	Human	968-end (D1994A)	Sf9 cells	GST
LRRK2 Mutant (G2019S), Active	L10-12GG	Human	968-end (G2019S)	Sf9 cells	GST
LRRK2 Mutant (G2385R), Active	L10-12IG	Human	968-end (G2385R)	Sf9 cells	GST
LRRK2 Mutant (I2020T), Active	L10-12HG	Human	968-end (I2020T)	Sf9 cells	GST
LRRK2 Mutant (R1441C), Active	L10-12G	Human	968-end (R1441C)	Sf9 cells	GST
LRRK2 Mutant (R1441G), Active	L10-12BG	Human	968-end (R1441G)	Sf9 cells	GST
LRRK2 Mutant (R1441H), Active	L10-12CG	Human	968-end (R1441H)	Sf9 cells	GST
LRRK2 Mutant (Y1699C), Active	L10-12DG	Human	968-end (Y1699C)	Sf9 cells	GST
LRRK2 Mutant (Y1699G), Active	L10-12EG	Human	968-end (Y1699G)	Sf9 cells	GST
MELK Mutant (T460M), Active	M50-12G	Human	1-550 (T460M)	Sf9 cells	GST
MET Mutant (D1228H), Active	M52-12HG	Human	956-end (D1228H)	Sf9 cells	GST
MET Mutant (D1228N), Active	M52-12IG	Human	956-end (D1228N)	Sf9 cells	GST
MET Mutant (Del Ex14), Active	M52-12PG	Human	956-end (Del Ex14)	Sf9 cells	GST
MET Mutant (F1200I), Active	M52-12GG	Human	956-end (F1200I)	Sf9 cells	GST
MET Mutant (M1250T), Active	M52-12BG	Human	956-end (M1250T)	Sf9 cells	GST
MET Mutant (P991S), Active	M52-12CG	Human	956-end (P991S)	Sf9 cells	GST
MET Mutant (R970C), Active	M52-12OG	Human	956-end (R970C)	Sf9 cells	GST
MET Mutant (T1173I), Active	M52-12FG	Human	956-end (T1173I)	Sf9 cells	GST



## Active Kinase Mutants (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
MET Mutant (T992I), Active	M52-12DG	Human	956-end (T992I)	Sf9 cells	GST
MET Mutant (V1092I), Active	M52-12EG	Human	956-end (V1092I)	Sf9 cells	GST
MET Mutant (Y1230A), Active	M52-12JG	Human	956-end (Y1230A)	Sf9 cells	GST
MET Mutant (Y1230C), Active	M52-12KG	Human	956-end (Y1230C)	Sf9 cells	GST
MET Mutant (Y1230D), Active	M52-12LG	Human	956-end (Y1230D)	Sf9 cells	GST
MET Mutant (Y1230H), Active	M52-12MG	Human	956-end (Y1230H)	Sf9 cells	GST
MET Mutant (Y1235D), Active	M52-12NG	Human	956-end (Y1235D)	Sf9 cells	GST
NPM1-ALK Mutant (F1174L), Active	A19-19EG	Human	1-117 (NPM1) 1058-end (F1174L) (ALK)	Sf9 cells	GST
NPM1-ALK Mutant, Active	A19-19BG	Human	1-117 (NPM1) - 1058-end (ALK)	Sf9 cells	GST
PDGFR alpha Mutant (D842V), Active	P12-12BG	Human	550-end (D842V)	Sf9 cells	GST
PDGFR alpha Mutant (T674I), Active	P12-12CG	Human	550-end (T674I)	Sf9 cells	GST
PKD2 Mutant (G848E), Active	P76-12BG	Human	Full Length (G848E)	Sf9 cells	GST
PKD2 Mutant (G870E), Active	P76-12CG	Human	Full Length (G870E)	Sf9 cells	GST
PTC1 Mutant (CCDC6-RET), Active	R02-19BG	Human	CCDC6 (1-101)-RET (713-end)	Sf9 cells	GST
PTC2 Mutant (PRKAR1A-RET), Active	R02-19CG	Human	PRKAR1A (1-236)- RET (713-end)	Sf9 cells	GST
PTC3 Mutant (NCOA4-RET), Active	R02-19DG	Human	NCOA4 (1-238)-RET (713-end)	Sf9 cells	GST
RET Mutant (A883F), Active	R02-12MG	Human	658-end (A883F)	Sf9 cells	GST
RET Mutant (E762Q), Active	R02-12FG	Human	658-end (E762Q)	Sf9 cells	GST
RET Mutant (G691S), Active	R02-12DG	Human	658-end (G691S)	Sf9 cells	GST
RET Mutant (L790F), Active	R02-12LG	Human	658-end (L790F)	Sf9 cells	GST
RET Mutant (M918T), Active	R02-12JG	Human	658-end (M918T)	Sf9 cells	GST
RET Mutant (R749T), Active	R02-12EG	Human	658-end (R749T)	Sf9 cells	GST
RET Mutant (R813Q), Active	R02-12HG	Human	658-end (R813Q)	Sf9 cells	GST
RET Mutant (S891A), Active	R02-12IG	Human	658-end (S891A)	Sf9 cells	GST
RET Mutant (S904A), Active	R02-12OG	Human	685-end (S904A)	Sf9 cells	GST
RET Mutant (S904F), Active	R02-12NG	Human	658-end (S904F)	Sf9 cells	GST
RET Mutant (V778I), Active	R02-12KG	Human	658-end (V778I)	Sf9 cells	GST
RET Mutant (V804L), Active	R02-12BG	Human	658-end (V804L)	Sf9 cells	GST
RET Mutant (V804M), Active	R02-12GG	Human	658-end (V804M)	Sf9 cells	GST
RET Mutant (Y791F), Active	R02-12CG	Human	658-end (Y791F)	Sf9 cells	GST
RNF130-BRAF Mutant (Rex3Bex9), Active	B08-19GG	Human	1-231 exon3 (RNF130) - 381-end or exon 9-18 (BRAF)	Sf9 cells	GST
ROS1 (G2032R), Active	R14-12BG	Human	1881-end	Sf9 cells	GST
RSK2 Mutant (I416V), Active	R17-12BG	Human	Full Length (I416V)	Sf9 cells	GST
RSK2 Mutant (L608F), Active	R17-12CG	Human	Full Length (L608F)	Sf9 cells	GST
RSK2 Mutant (Y483C), Active	R17-12DG	Human	Full Length (Y483C)	Sf9 cells	GST
SRGAP3-BRAF (Sex12Bex9), Active	B08-19FG	Human	1-513 exon12 (SRGAP3) 381- end or exon 9-18 (BRAF)	Sf9 cells	GST
TFG-ALK Mutant, Active	A19-19CG	Human	1-193 (TFG) - 1058-end (ALK)	Sf9 cell	GST
TFG-TRKA Mutant (TRK-T3), Active	N16-19CG	Human	1-193 (TFG) - 399-end (TRKA)	Sf9 cell	GST
TGFBR1 Mutant (T204D), Active	T07-13G	Human	80-end (T204D)	Sf9 cells	GST
TIE2 Mutant (A1124V), Active	T04-12GG	Human	771-end (A1124V)	Sf9 cells	GST
TIE2 Mutant (L914F), Active	T04-12IG	Human	771-end (L914F)	Sf9 cells	GST
TIE2 Mutant (P883A), Active	T04-12CG	Human	771-end (P883A)	Sf9 cells	GST
TIE2 Mutant (R849W), Active	T04-12BG	Human	771-end (R849W)	Sf9 cells	GST
TIE2 Mutant (R915C), Active	T04-12JG	Human	771-end (R915C)	Sf9 cells	GST
TIE2 Mutant (Y1108F), Active	T04-12FG	Human	771-end (Y1108F)	Sf9 cells	GST
TIE2 Mutant (Y897C), Active	T04-12DG	Human	771-end (Y897C)	Sf9 cells	GST
TIE2 Mutant (Y897H R915C), Active	T04-12KG	Human	771-end (Y897H R915C)	Sf9 cells	GST
TIE2 Mutant (Y897H), Active	T04-12HG	Human	771-end (Y897H)	Sf9 cells	GST

## Active Kinase Mutants (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
TIE2 Mutant (Y897S), Active	T04-12EG	Human	771-end (Y897S)	Sf9 cells	GST
TPM3-ALK Mutant, Active	A19-19DG	Human	1-258 (TPM3) 1058-end (ALK)	Sf9 cells	GST
TPM3-PDGFR beta Mutant, Active	P13-19DG	Human	1-258 (TPM3) - 528-end (PDGFRB)	Sf9 cells	GST
TPM3-ROS1 Mutant, Active	R14-19CG	Human	1-258 (TPM3) - 1881-end (ROS1)	Sf9 cells	GST
TPM3-TRKA Mutant, Active	N16-19DG	Human	1-258 (TPM3) 399-end (TRKA)	Sf9 cells	GST
TPR-TRKA Mutant (TRK-T1), Active	N16-19BG	Human	1-191 (TPR) 399-end (TRKA)	Sf9 cells	GST
TRKA (G595R), Active	N16-12BG	Human	440-end (G595R)	Sf9 cells	GST
TRKA (G667C), Active	N16-12CG	Human	440-end (G667C)	Sf9 cells	GST
YES1 Mutant (T348I), Active	Y01-12BG	Human	Full Length (T348I)	Sf9 cells	GST
ZAP70 Mutant (Y319F), Active	Z02-12BG	Human	Full Length (Y319F)	Sf9 cells	GST

## Active Kinases

Name	Catalog #	Species	Sequence	Expression System	Tag
ABL1, Active	A03-11H	Mouse	27-end	Sf9 cells	HIS
ABL1, Active	A03-18H	Human	27-end	Sf9 cells	HIS
ABL2, Active	A04-11H	Human	38-end	Sf9 cells	HIS
ACK, Active	A05-11G	Human	110-476	Sf9 cells	GST
AKT1, Active	A16-10G	Human	Full Length	Sf9 cells	GST
AKT2, Active	A17-10H	Human	Full Length	Sf9 cells	HIS
AKT2, Active	A17-10G	Human	Full Length	Sf9 cells	GST
AKT3, Active	A18-10G	Human	Full Length	Sf9 cells	GST
ALK, Active	A19-11G	Human	1060-end	Sf9 cells	GST
ALK1, Active	A09-11G	Human	144-end	Sf9 cells	GST
ALK2, Active	A06-11G	Human	147-end	Sf9 cells	GST
ALK3 (BMPR1A), Active	B04-11G	Human	187-end	Sf9 cells	GST
ALK4, Active	A07-11G	Human	150-end	Sf9 cells	GST
ALK6 (BMPR1B), Active	B05-11G	Human	149-end	Sf9 cells	GST
AMPK (A1/B1/G1), Active	P47-10H	Human	Full Length	Sf9 cells	HIS
AMPK (A1/B1/G2), Active	P55-10H	Human	Full Length	Sf9 cells	HIS
AMPK (A1/B1/G2), Active	P55-10G	Human	Full Length	Sf9 cells	GST/HIS
AMPK (A1/B1/G3), Active	P56-10H	Human	Full Length	Sf9 cells	HIS
AMPK (A1/B1/G3), Active	P56-10G	Human	Full Length	Sf9 cells	GST/HIS
AMPK (A1/B2/G1), Active	P50-10H	Human	Full Length	Sf9 cells	HIS
AMPK (A1/B2/G1), Active	P50-10G	Human	Full Length	Sf9 cells	GST/HIS
AMPK (A1/B2/G2), Active	P45-10G	Human	Full Length	Sf9 cells	GST/HIS
AMPK (A1/B2/G3), Active	P83-10G	Human	Full Length	Sf9 cells	GST/HIS
AMPK (A2/B1/G1), Active	P48-10H	Human	Full Length	Sf9 cells	HIS
AMPK (A2/B1/G2), Active	P84-10GH	Human	Full Length	Sf9 cells	GST/HIS
AMPK (A2/B1/G3), Active	P85-10GH	Human	Full Length	Sf9 cells	GST/HIS
AMPK (A2/B2/G1), Active	P49-10H	Human	Full Length	Sf9 cells	HIS
AMPK (A2/B2/G1), Active	P49-10GH	Human	Full Length	Sf9 cells	GST/HIS
AMPK (A2/B2/G2), Active	P54-10H	Human	Full Length	Sf9 cells	HIS
AMPK (A2/B2/G2), Active	P54-10GH	Human	Full Length	Sf9 cells	GST/HIS
AMPK (A2/B2/G3), Active	P46-10GH	Human	Full Length	Sf9 cells	HIS
ANKK1 (SGK288), Active	A20-10G	Human	Full Length	Sf9 cells	GST
ASK1, Active	M13-11G	Human	649-946	Sf9 cells	GST
AURORA A, Active	A28-10G	Mouse	Full Length	Sf9 cells	GST
AURORA A, Active	A28-18G	Human	Full Length	Sf9 cells	GST
AURORA B, Active	A31-10G	Human	Full Length	Sf9 cells	GST

## Active Kinases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
AURORA C, Active	A33-10G	Human	Full Length	Sf9 cells	GST
AXL, Active	A34-11H	Human	473-end	Sf9 cells	HIS
AXL, Active	A34-11G	Human	473-end	Sf9 cells	GST
BLK, Active	B02-10G	Human	Full Length	Sf9 cells	GST
BMPR2, Active	B06-11H	Human	174-end	Sf9 cells	HIS
BMX, Active	B07-10G	Human	Full Length	Sf9 cells	GST
BMX, Active	B07-10CG	Rat	Full Length	Sf9 cells	GST
BRAF, Active	B08-11G	Human	416-766	Sf9 cells	GST
BRAF, Active	B08-11BG	Human	381-end or exon 9-18	Sf9 cells	GST
BRK, Active	P94-10G	Human	Full Length	Sf9 cells	GST
BRSK1, Active	B13-10G	Mouse	Full Length	Sf9 cells	GST
BRSK2, Active	B14-10G	Human	Full Length	Sf9 cells	GST
BTK, Active	B10-10H	Human	Full Length	Sf9 cells	HIS
BTK, Active	B10-10CG	Rat	Full Length	Sf9 cells	GST
BUB1B, Active	B12-11G	Human	613-end	Sf9 cells	GST
c-KIT, Active	K06-11BG	Human	544-end	Sf9 cells	GST
c-MER, Active	M51-11G	Human	578-872	Sf9 cells	GST
c-MER, Active	M51-112G	Human	528-end	Sf9 cells	GST
c-MER, Active	M51-172G	Mouse	528-end	Sf9 cells	GST
CAMK1 beta, Active	C08-10G	Mouse	Full Length	Sf9 cells	GST
CAMK1 delta, Active	C09-10G	Human	Full Length	Sf9 cells	GST
CAMK1 gamma, Active	C10-11G	Human	1-330	Sf9 cells	GST
CAMK1 gamma, Active	C10-10BG	Human	Full Length	Sf9 cells	GST
CAMK1, Active	C07-10G	Mouse	Full Length	E. coli cells	GST
CAMK2 alpha, Active	C11-10G	Human	Full Length	Sf9 cells	GST
CAMK2 beta, Active	C12-10H	Human	Full Length	Sf9 cells	HIS
CAMK2 beta, Active	C12-10G	Human	Full Length	Sf9 cells	GST
CAMK2 delta, Active	C13-10G	Human	Full Length	Sf9 cells	GST
CAMK2 gamma, Active	C14-10G	Human	C-terminal truncation	Sf9 cells	GST
CAMK2 gamma, Active	C14-10BG	Human	Full Length	Sf9 cells	GST
CAMK4, Active	C15-10G	Human	Full Length	Sf9 cells	GST
CAMKK1, Active	C17-10G	Human	Full Length	Sf9 cells	GST
CAMKK1, Active	C17-18G	Rat	Full Length	Sf9 cells	GST
CAMKK2, Active	C18-10G	Human	Full Length	Sf9 cells	GST
CASK, Active	C19-11G	Human	1-570	Sf9 cells	GST
CDC42BPG (DMPK2), Active	D17-11G	Human	1-475	Sf9 cells	GST
CDC7/DBF4, Active	C26-10G	Human	Full Length	Sf9 cells	GST
CDK1/CyclinA1, Active	C22-18BG	Human	Full Length	Sf9 cells	GST
CDK1/CyclinA2, Active	C22-18G	Human	Full Length	Sf9 cells	GST
CDK1/CyclinB1, Active	C22-10G	Human	Full Length	Sf9 cells	GST
CDK2/CyclinA1, Active	C29-10BG	Human	Full Length	Sf9 cells	GST
CDK2/CyclinA2, Active	C29-10G	Human	Full Length	Sf9 cells	GST
CDK2/CyclinE1, Active	C29-18G	Human	Full Length	Sf9 cells	GST
CDK2/CyclinO, Active	C29-19G	Human	Full Length	Sf9 cells	GST
CDK3/CyclinE1, Active	C30-10G	Human	Full Length	Sf9 cells	GST
CDK4/CyclinD1, Active	C31-10G	Human	Full Length	Sf9 cells	GST
CDK4/CyclinD3, Active	C31-18G	Human	Full Length	Sf9 cells	GST
CDK5/p25, Active	C33-10G	Human	Full Length	Sf9 cells	GST
CDK5/p35, Active	C33-10BG	Human	Full Length	Sf9 cells	GST
CDK6/CyclinD1, Active	C35-18H	Human	Full Length	Sf9 cells	GST/HIS

## Active Kinases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
CDK6/CyclinD3, Active	C35-10H	Human	Full Length	Sf9 cells	HIS
CDK7/CyclinH1/MNAT1, Active	C36-10H	Human	Full Length	Sf9 cells	HIS
CDK9/CyclinK, Active	C40-10G	Human	Full Length	Sf9 cells	GST
CDK9/CyclinT2, Active	C40-18BG	Human	Full Length	Sf9 cells	GST
CHK1, Active	C47-10G	Human	Full Length	Sf9 cells	GST
CHK1, Active	C47-10H	Human	Full Length	Sf9 cells	HIS
CHK2, Active	C48-10G	Human	Full Length	Sf9 cells	GST
CK1 alpha 1, Active	C64-10G	Human	Full Length	Sf9 cells	GST
CK1 alpha 1L, Active	C75-10G	Human	Full Length	Sf9 cells	GST
CK1 delta, Active	C65-10G	Human	Full Length	Sf9 cells	GST
CK1 epsilon, Active	C66-10G	Human	Full Length	Sf9 cells	GST
CK1 gamma 1, Active	C68-11G	Human	21-end	Sf9 cells	GST
CK1 gamma 2, Active	C68-10BG	Human	Full Length	Sf9 cells	GST
CK1 gamma 3, Active	C68-10CG	Human	Full Length	Sf9 cells	GST
CK2 alpha 1, Active	C70-10G	Human	Full Length	Sf9 cells	GST
CK2 alpha 2, Active	C71-10G	Human	Full Length	Sf9 cells	GST
CLK1, Active	C57-11G	Human	129-end	Sf9 cells	GST
CLK2, Active	C58-11G	Human	137-end	Sf9 cells	GST
CLK3, Active	C60-10G	Human	Full Length	Sf9 cells	GST
CLK4, Active	C61-11G	Human	70-end	Sf9 cells	GST
COT, Active	M16-11G	Human	30-397	Sf9 cells	GST
CSK, Active	C63-10G	Human	Full Length	Sf9 cells	GST
CSK, Active	C63-10U	Human	Full Length	Sf9 cells	Tag-Free
DAPK1, Active	D01-11G	Human	1-363	Sf9 cells	GST
DAPK2, Active	D02-10G	Human	Full Length	Sf9 cells	GST
DAPK3, Active	D03-10G	Human	Full Length	Sf9 cells	GST
DCAMKL1, Active	D14-10G	Human	Full Length	Sf9 cells	GST
DCAMKL1, Active	D14-11G	Human	266-end	Sf9 cells	GST
DCAMKL2, Active	D15-11G	Human	1-690	Sf9 cells	GST
DDR1, Active	D05-11G	Human	444-end	Sf9 cells	GST
DDR2, Active	D06-11BG	Human	467-end	Sf9 cells	GST
DMPK, Active	D07-10G	Human	Full Length	Sf9 cells	GST
DRAK1 (STK17A), Active	S33-10G	Human	Full Length	Sf9 cells	GST
DRAK2 (STK17B), Active	S34-10G	Human	Full Length	Sf9 cells	GST
DYRK1A, Active	D09-10G	Rat	Full Length	E. coli cells	GST
DYRK1B, Active	D09-10BG	Human	Full Length	Sf9 cells	GST
DYRK2, Active	D10-10G	Human	Full Length	E. coli cells	GST
DYRK3, Active	D11-11G	Human	63-end	E. coli cells	GST
DYRK4, Active	D12-10G	Human	Full Length	Sf9 cells	GST
EEF2K, Active	E01-10G	Human	Full Length	Sf9 cells	GST
EGFR, Active	E10-11G	Human	695-end	Sf9 cells	GST
EGFR, Active	E10-112G	Human	668-end	Sf9 cells	GST
EIF2AK1 (HRI), Active	H07-10G	Human	Full Length	Sf9 cells	GST
EIF2AK2, Active	P80-11G	Human	252-end	Sf9 cells	GST
EIF2AK3, Active	E11-11G	Human	563-1115	E. coli cells	GST
EIF2AK4 (GCN2), Active	E12-11G	Human	192-1024	Sf9 cells	GST
EPHA1, Active	E13-11G	Mouse	569-end	Sf9 cells	GST
EPHA1, Active	E13-18G	Human	569-end	Sf9 cells	GST
EPHA1, Active	E13-18BG	Human	613-892	Sf9 cells	GST
EPHA2, Active	E14-11G	Human	561-end	Sf9 cells	GST
EPHA3, Active	E15-11G	Human	571-end	Sf9 cells	GST
EPHA4, Active	E16-11G	Human	610-887	Sf9 cells	GST

## Active Kinases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
EPHA4, Active	E16-11BG	Human	570-end	Sf9 cells	GST
EPHA6, Active	E18-11G	Human	683-end	Sf9 cells	GST
EPHA7, Active	E19-11G	Mouse	580-end	Sf9 cells	GST
EPHB1, Active	E21-11G	Mouse	591-end	Sf9 cells	GST
EPHB2, Active	E22-11G	Human	570-end	Sf9 cells	GST
EPHB2, Active	E22-11BG	Human	611-893	Sf9 cells	GST
EPHB3, Active	E23-11G	Human	585-end	Sf9 cells	GST
EPHB4, Active	E24-11G	Human	561-end	Sf9 cells	GST
EPHB4, Active	E24-11H	Human	561-end	Sf9 cells	HIS
ERK1, Active	M29-10U	Human	Full Length	Sf9 cells	Tag-Free
ERK1, Active	M29-10G	Human	Full Length	E. coli cells	GST
ERK2, Active	M28-10G	Human	Full Length	E. coli cells	GST
ERK3 (MAPK6), Active	M31-10G	Human	Full Length	Sf9 cells	GST
ERK5, Active	M32-10G	Human	Full Length	Sf9 cells	GST
ERK7 (MAPK15), Active	M47-10BG	Mouse	Full Length	Sf9 cells	GST
ERN1 (IRE1), Active	E31-11G	Human	468-end	Sf9 cells	GST
ERN2 (IRE2), Active	E32-11G	Human	499-end	Sf9 cells	GST
FAK, Active	P91-11H	Human	393-698	Sf9 cells	HIS
FAK, Active	P91-10G	Human	Full Length	Sf9 cells	GST
FASTK, Active	F01-10G	Human	Full Length	Sf9 cells	GST
FER, Active	F16-11G	Mouse	542-end	Sf9 cells	GST
FES, Active	F03-10G	Human	Full Length	Sf9 cells	GST
FGFR1 (FLT2), Active	F04-11G	Human	399-822	Sf9 cells	GST
FGFR2, Active	F05-11G	Human	285-end	Sf9 cells	GST
FGFR3, Active	F06-11G	Human	397-end	Sf9 cells	GST
FGFR4, Active	F07-11G	Human	460-end	Sf9 cells	GST
FGR, Active	F10-10G	Human	Full Length	Sf9 cells	GST
FLT1, Active	F11-11G	Human	784-end	Sf9 cells	GST
FLT3, Active	F12-11G	Human	571-993	Sf9 cells	GST
FLT4, Active	F13-11G	Human	800-end	Sf9 cells	GST
FMS, Active	C74-11G	Human	539-end	Sf9 cells	GST
FRK, Active	F14-11G	Human	208-end	Sf9 cells	GST
FYN A, Active	F15-10G	Human	Full Length	Sf9 cells	GST
GCK, Active	M24-10G	Human	Full Length	Sf9 cells	GST
GLK, Active	M25-11G	Human	1-380	Sf9 cells	GST
GRK1, Active	R03-10G	Human	Full Length	Sf9 cells	GST
GRK2, Active	A14-10G	Human	Full Length	Sf9 cells	GST
GRK3, Active	A15-11G	Human	1-554	Sf9 cells	GST
GRK5, Active	G03-10G	Human	Full Length	Sf9 cells	GST
GRK6, Active	G04-10G	Human	Full Length	Sf9 cells	GST
GRK7, Active	G05-10G	Human	Full Length	Sf9 cells	GST
GSK3 alpha, Active	G08-10G	Human	Full Length	Sf9 cells	GST
GSK3 beta, Active	G09-10G	Human	Full Length	Sf9 cells	GST
GSK3 beta, Active	G09-10H	Human	Full Length	Sf9 cells	HIS
Haspin (GSG2), Active	G10-11G	Human	470-end	Sf9 cells	GST
HCK, Active	H02-11G	Human	230-497	Sf9 cells	GST
HER2, Active	E27-11G	Human	676-end	Sf9 cells	GST
HER4, Active	E29-11G	Human	682-993	Sf9 cells	GST
HGK, Active	M26-11G	Human	1-328	Sf9 cells	GST
HIPK1, Active	H03-11G	Human	156-555	Sf9 cells	GST
HIPK2, Active	H04-11G	Mouse	153-564	Sf9 cells	GST
HIPK2, Active	H04-11BG	Human	1-640	Sf9 cells	GST

## Active Kinases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
HIPK3, Active	H05-13H	Human	163-562	Sf9 cells	HIS
HIPK4, Active	H06-10G	Human	Full Length	Sf9 cells	GST
HIPK4, Active	H06-10H	Human	Full Length	Sf9 cells	HIS
HPK1, Active	M23-11G	Human	1-346	Sf9 cells	GST
HUNK, Active	H08-10G	Human	Full Length	Sf9 cells	GST
ICK, Active	I01-10G	Human	Full Length	Sf9 cells	GST
IGF1R, Active	I02-11H	Human	960-end	Sf9 cells	HIS
IKK alpha, Active	C51-10G	Human	Full Length	Sf9 cells	GST
IKK beta, Active	I03-10BG	Human	1-662	Sf9 cells	GST
IKK beta, Active	I03-18G	Human	Full Length	Sf9 cells	GST
IKK epsilon, Active	I04-10G	Human	Full Length	Sf9 cells	GST
InsR, Active	I08-11G	Human	1011-end	Sf9 cells	GST
IRAK2, Active	I10-10BG	Human	Full Length	Sf9 cells	GST
IRAK4, Active	I12-10G	Human	Full Length	Sf9 cells	GST
IRR, Active	I07-11G	Human	945-end	Sf9 cells	GST
ITK, Active	I13-11G	Human	352-end	Sf9 cells	GST
ITK, Active	I13-10G	Human	Full Length	Sf9 cells	GST
JAK1, Active	J01-11G	Human	438-end	Sf9 cells	GST
JAK2, Active*	J02-11G	Human	804-end	Sf9 cells	GST
JAK3, Active	J03-11G	Human	781-end	Sf9 cells	GST
JNK1, Active	M33-10G	Mouse	Full Length	Sf9 cells	GST
JNK2, Active	M34-10BG	Human	Full Length	Sf9 cells	GST
JNK3, Active	M35-10BG	Human	Full Length	Sf9 cells	GST
KDR, Active	K01-11G	Human	789-end	Sf9 cells	GST
KHS1, Active	M27-10G	Human	Full Length	Sf9 cells	GST
KSR1, Active	K07-11BG	Human	431-end	Sf9 cells	GST
KSR1, Active	K07-11CG	Human	335-end	Sf9 cells	GST
KSR2, Active	K08-11G	Human	554-end	Sf9 cells	GST
LATS1, Active	L01-11G	Human	589-end	Sf9 cells	GST
LATS2, Active	L02-11G	Human	480-1088	Sf9 cells	GST
LCK, Active	L03-10G	Human	Full Length	Sf9 cells	GST
LIMK1, Active	L04-11G	Human	285-638	Sf9 cells	GST
LIMK2, Active	L05-10G	Human	Full Length	Sf9 cells	GST
LOK, Active	S29-11G	Human	1-348	Sf9 cells	GST
LRRK2, Active	L10-11G	Human	968-end	Sf9 cells	GST
LTK, Active	L11-11G	Human	498-796	Sf9 cells	GST
LYN A, Active	L13-18G	Human	Full Length	Sf9 cells	GST
LYN B, Active	L13-10G	Human	Full Length	Sf9 cells	GST
MAK, Active	M01-10G	Human	Full Length	Sf9 cells	GST
MAPKAPK2, Active	M40-11G	Human	46-end	Sf9 cells	GST
MAPKAPK2, Active	M40-11H	Human	46-end	Sf9 cells	HIS
MAPKAPK3, Active	M41-10G	Human	Full Length	Sf9 cells	GST
MAPKAPK5, Active	M42-10G	Human	Full Length	Sf9 cells	GST
MARK1, Active	M43-10G	Human	Full Length	Sf9 cells	GST
MARK2, Active	M44-10G	Human	Full Length	Sf9 cells	GST
MARK3, Active	M45-10G	Human	Full Length	Sf9 cells	GST
MARK4, Active	M46-10G	Human	Full Length	Sf9 cells	GST
MATK (CTK), Active	M49-10G	Human	Full Length	Sf9 cells	GST
MEK1 (EE), Active	M02-12G	Mouse	Full Length	E. coli cells	GST
MEK1, Active	M02-10G	Human	Full Length	Sf9 cells	GST

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## Active Kinases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
MEK2, Active	M03-10G	Human	Full Length	Sf9 cells	GST
MEK3 (MAP2K3), Active	M04-10G	Human	Full Length	Sf9 cells	GST
MEK4 (MAP2K4), Active	M05-10G	Human	Full Length	Sf9 cells	GST
MEK5, Active	M06-10G	Human	Full Length	Sf9 cells	GST
MEK6, Active	M07-10G	Human	Full Length	Sf9 cells	GST
MEK7, Active	M08-10G	Human	Full Length	Sf9 cells	GST
MEKK1, Active	M09-11G	Human	900-1748	Sf9 cells	GST
MEKK2, Active	M10-10G	Human	Full Length	Sf9 cells	GST
MEKK3, Active	M11-10G	Human	Full Length	Sf9 cells	GST
MEKK6, Active	M14-11G	Human	620-950	Sf9 cells	GST
MELK, Active	M50-11G	Human	1-340	Sf9 cells	GST
MELK, Active	M50-18G	Human	1-550	Sf9 cells	GST
MET, Active	M52-11G	Rat	958-end	Sf9 cells	GST
MET, Active	M52-18G	Human	956-end	Sf9 cells	GST
MINK1, Active	M53-11G	Human	1-320	Sf9 cells	GST
MLCK, Active	M62-11G	Human	1425-1776	Sf9 cells	GST
MLK1, Active	M17-11G	Human	1-433	Sf9 cells	GST
MLK2, Active	M18-11G	Human	1-446	Sf9 cells	GST
MLK3, Active	M19-11G	Human	1-488	Sf9 cells	GST
MLK4, Active	M48-11G	Human	114-420	Sf9 cells	GST
MNK1, Active	M54-10G	Human	Full Length	Sf9 cells	GST
MNK2, Active	M55-10G	Human	Full Length	Sf9 cells	GST
MRCK alpha, Active	C27-11G	Human	1-473	Sf9 cells	GST
MRCK beta, Active	C28-11G	Human	1-473	Sf9 cells	GST
MSK1, Active	R19-10G	Human	Full Length	Sf9 cells	GST
MSK2, Active	R18-10G	Mouse	Full Length	Sf9 cells	GST
MSSK1, Active	S41-10G	Human	Full Length	Sf9 cells	GST
MST1, Active	S25-10G	Human	Full Length	Sf9 cells	GST
MST3, Active	S42-11G	Human	1-311	Sf9 cells	GST
MST4, Active	M59-10G	Human	Full Length	Sf9 cells	GST
MUSK, Active	M60-11G	Human	519-end	Sf9 cells	GST
MYLK2, Active	M63-10H	Human	Full Length	Sf9 cells	HIS
MYLK3, Active	M64-10G	Human	Full Length	Sf9 cells	GST
MYLK4, Active	M74-10G	Human	Full Length	Sf9 cells	GST
MYO3 alpha, Active	M65-11G	Human	1-434	Sf9 cells	GST
MYO3 beta, Active	M66-11G	Human	1-326	Sf9 cells	GST
NDR, Active	S49-10G	Human	Full Length	Sf9 cells	GST
NDR2, Active	S50-10G	Human	Full Length	Sf9 cells	GST
NEK1, Active	N02-11G	Mouse	1-495	Sf9 cells	GST
NEK2, Active	N03-10G	Human	Full Length	Sf9 cells	GST
NEK3, Active	N05-10G	Human	Full Length	Sf9 cells	GST
NEK4, Active	N06-10G	Human	Full Length	Sf9 cells	GST
NEK5, Active	N07-11G	Human	1-508	Sf9 cells	GST
NEK6, Active	N08-10G	Human	Full Length	Sf9 cells	GST
NEK7, Active	N09-10G	Human	Full Length	Sf9 cells	GST
NEK8, Active	N10-11G	Human	1-322	Sf9 cells	GST
NEK9, Active	N11-11G	Human	1-979; deleted fragment of 346-731	Sf9 cells	GST
NEK11, Active	N13-10G	Human	Full Length	Sf9 cells	GST
NIK, Active	M22-11G	Human	325-end	Sf9 cells	GST
NIM1, Active	N14-10G	Human	Full Length	Sf9 cells	GST
NLK, Active	N15-10G	Human	Full Length	Sf9 cells	GST
NUAK1, Active	N19-10G	Human	Full Length	Sf9 cells	GST

## Active Kinases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
NUAK2, Active	N20-10G	Human	Full Length	Sf9 cells	GST
p38 alpha, Active	M39-10BG	Human	Full Length	Sf9 cells	GST
p38 beta, Active	M36-10BG	Human	Full Length	Sf9 cells	GST
p38 delta, Active	M38-10BG	Human	Full Length	Sf9 cells	GST
p38 gamma, Active	M37-10BG	Human	Full Length	Sf9 cells	GST
p70S6K, Active	R21-10H	Human	Full Length	Sf9 cells	HIS
p70S6Kb, Active	R22-10G	Human	Full Length	Sf9 cells	GST
PAK1, Active	P02-10BG	Human	Full Length	Sf9 cells	GST
PAK1/CDC42, Active	P02-10G	Human	Full Length	Sf9 cells	GST
PAK3, Active	P04-10G	Mouse	Full Length	Sf9 cells	GST
PAK4, Active	P05-10BG	Human	Full Length	Sf9 cells	GST
PAK6, Active	P06-10G	Human	Full Length	Sf9 cells	GST
PAK7, Active	P07-10G	Human	Full Length	Sf9 cells	GST
PASK, Active	P08-11G	Human	981-end	Sf9 cells	GST
PCTK1 (CDK16)/CyclinY, Active	P09-11G	Human	107-end/2-end	Sf9 cells	GST
PCTK2 (CDK17)/CyclinY, Active	P10-10G	Human	Full Length/2-end	Sf9 cells	GST
PCTK3 (CDK18)/CyclinY, Active	P11-10G	Human	Full Length/2-end	Sf9 cells	GST
PDGFR alpha, Active	P12-11G	Mouse	550-end	Sf9 cells	GST
PDGFR alpha, Active	P12-18G	Human	550-end	Sf9 cells	GST
PDGFR beta, Active	P13-11G	Human	557-end	Sf9 cells	GST
PDHK1, Active	P57-10G	Human	Full Length	Sf9 cells	GST
PDHK2, Active	P58-10G	Human	Full Length	Sf9 cells	GST
PDHK3, Active	P59-10G	Human	Full Length	Sf9 cells	GST
PDHK4, Active	P60-10G	Human	Full Length	Sf9 cells	GST
PDK1, Active	P14-10H	Human	Full Length	Sf9 cells	HIS
PEAK1, Active	P18-11G	Human	1127-end	Sf9 cells	GST
PFTK1 (CDK14)/CyclinY, Active	P15-10G	Human	Full Length/2-end	Sf9 cells	GST
PHKG1, Active	P19-10G	Human	Full Length	Sf9 cells	GST
PHKG2, Active	P20-10G	Human	Full Length	Sf9 cells	GST
PI3K (p110 alpha/p55 gamma), Active	P27-10CG	Human	Full Length	Sf9 cells	GST
PIM1, Active	P35-10G	Human	Full Length	Sf9 cells	GST
PIM2, Active	P36-10G	Human	Full Length	Sf9 cells	GST
PIM3, Active	P37-10G	Mouse	Full Length	Sf9 cells	GST
PIM3, Active	P37-10BG	Human	Full Length	Sf9 cells	GST
PKAc alpha, Active	P51-10G	Human	Full Length	Sf9 cells	GST
PKAc beta, Active	P52-10G	Human	Full Length	Sf9 cells	GST
PKAc gamma, Active	P53-10G	Human	Full Length	Sf9 cells	GST
PKC alpha, Active	P61-10G	Xenopus	Full Length	Sf9 cells	GST
PKC alpha, Active	P61-18G	Human	Full Length	Sf9 cells	GST
PKC beta I, Active	P62-10G	Human	Full Length	Sf9 cells	GST
PKC beta II, Active	P63-10G	Human	Full Length	Sf9 cells	GST
PKC delta, Active	P64-10G	Human	Full Length	Sf9 cells	GST
PKC epsilon, Active	P65-10G	Human	Full Length	Sf9 cells	GST
PKC eta, Active	P67-10G	Human	Full Length	Sf9 cells	GST
PKC gamma, Active	P66-10G	Human	Full Length	Sf9 cells	GST
PKC iota, Active	P68-10G	Human	Full Length	Sf9 cells	GST
PKC mu, Active	P72-10G	Human	Full Length	Sf9 cells	GST
PKC nu, Active	P73-10G	Human	Full Length	Sf9 cells	GST
PKC theta, Active	P74-10G	Human	Full Length	Sf9 cells	GST
PKC zeta, Active	P75-10G	Human	Full Length	Sf9 cells	GST
PKD2, Active	P76-10G	Human	Full Length	Sf9 cells	GST
PKN1/PRK1, Active	P70-11G	Human	289-end	Sf9 cells	GST

## Active Kinases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
PKN2/PRK2, Active	P71-10G	Human	Full Length	Sf9 cells	GST
PKN3/PRK3, Active	P69-10G	Human	Full Length	Sf9 cells	GST
PLK1, Active	P41-10H	Human	Full Length	Sf9 cells	HIS
PLK2, Active	P42-10G	Human	Full Length	Sf9 cells	GST
PLK3, Active	P43-13G	Human	57-340	Sf9 cells	GST
PLK4, Active	P44-11G	Human	1-836	Sf9 cells	GST
PRKG1, Active	P78-10BG	Human	Full Length	Sf9 cells	GST
PRKG1, Active	P78-11G	Human	324-end	Sf9 cells	GST
PRKG2, Active	P79-10G	Human	Full Length	Sf9 cells	GST
PRKX, Active	P81-10G	Human	Full Length	Sf9 cells	GST
PYK2, Active	P92-11H	Human	360-690	Sf9 cells	HIS
QIK, Active	S15-10G	Human	Full Length	Sf9 cells	GST
RAF1 (EE), Active	R01-13G	Human	306-end	Sf9 cells	GST
RET, Active	R02-11G	Human	658-end	Sf9 cells	GST
RIPK1, Active	R07-10G	Human	Full Length	Sf9 cells	GST
RIPK1, Active	R07-11G	Human	1-327	Sf9 cells	GST
RIPK2, Active	R08-11G	Human	1-299	Sf9 cells	GST
RIPK3, Active	R09-10G	Human	Full Length	Sf9 cells	GST
RIPK5, Active	R27-10G	Human	Full Length	Sf9 cells	GST
ROCK1, Active	R10-11G	Human	17-535	Sf9 cells	GST
ROCK2, Active	R11-11G	Human	5-554	Sf9 cells	GST
ROCK2, Active	R11-11H	Human	5-554	Sf9 cells	HIS
RON, Active	M58-11G	Human	983-end	Sf9 cells	GST
ROR1, Active	R12-11G	Human	429-end	Sf9 cells	GST
ROR2, Active	R13-11G	Human	427-end	Sf9 cells	GST
ROS1, Active	R14-11G	Human	1883-end	Sf9 cells	GST
RSK1, Active	R15-10G	Human	Full Length	Sf9 cells	GST
RSK2, Active	R17-10G	Human	Full Length	Sf9 cells	GST
RSK3, Active	R16-10G	Human	Full Length	Sf9 cells	GST
RSK4, Active	R20-10G	Human	Full Length	Sf9 cells	GST
SBK1, Active	S56-10G	Human	Full Length	Sf9 cells	GST
SGK1, Active	S06-11G	Human	60-end	Sf9 cells	GST
SGK1, Active	S06-10G	Human	Full Length	Sf9 cells	GST
SGK2, Active	S07-10G	Human	Full Length	Sf9 cells	GST
SGK3, Active	S08-10G	Human	Full Length	Sf9 cells	GST
SIK, Active	S14-11G	Human	1-303	Sf9 cells	GST
SIK3, Active	S12-11G	Human	1-307	Sf9 cells	GST
SLK, Active	S11-10G	Human	Full Length	Sf9 cells	GST
SNRK, Active	S16-10G	Human	Full Length	Sf9 cells	GST
SOK1, Active	S43-10G	Human	Full Length	Sf9 cells	GST
SRC, Active	S19-10G	RSV	Full Length	Sf9 cells	GST
SRC, Active	S19-18G	Human	Full Length	E. coli cells	GST
SRMS, Active	S20-11G	Human	215-end	Sf9 cells	GST
SRPK1, Active	S21-10G	Human	Full Length	Sf9 cells	GST
SRPK2, Active	S22-10G	Human	Full Length	Sf9 cells	GST
STK3, Active	S24-10G	Human	Full Length	Sf9 cells	GST
STK19, Active	S35-10G	Human	Full Length	Sf9 cells	GST
STK21 (CIT), Active	C52-11G	Human	1-449	Sf9 cells	GST
STK32B (YANK2), Active	Y04-10G	Human	Full Length	Sf9 cells	GST
STK32C (YANK3), Active	Y05-11G	Human	66-end	Sf9 cells	GST
STK33, Active	S46-10G	Human	Full Length	Sf9 cells	GST
STK36, Active	S48-11G	Human	1-457	Sf9 cells	GST

## Active Kinases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
STK39 (STLK3), Active	S51-10H	Human	Full Length	Sf9 cells	HIS
SYK, Active	S52-10G	Human	Full Length	Sf9 cells	GST
TAK1-TAB1, Active	M15-13G	Human	TAK1(1-303)/TAB1(437-end)	Sf9 cells	GST
TAOK1, Active	T24-11G	Human	1-314	Sf9 cells	GST
TAOK2, Active	T25-11G	Human	1-314	Sf9 cells	GST
TAOK3, Active	T26-11G	Human	1-463	Sf9 cells	GST
TBK1, Active	T02-10G	Human	Full Length	Sf9 cells	GST
TEC, Active	T03-10G	Human	Full Length	Sf9 cells	GST
TEC, Active	T03-10CG	Rat	Full Length	Sf9 cells	GST
TESK2, Active	T06-10G	Human	Full Length	Sf9 cells	GST
TGFBR1 (ALK5), Active	T07-11G	Human	80-end	Sf9 cells	GST
TGFBR1 (ALK5), Active	T07-11BG	Mouse	148-end	Sf9 cells	GST
TGFBR2, Active	T08-11G	Human	190-end	Sf9 cells	GST
TGFBR2, Active	T08-11BG	Mouse	215-end	Sf9 cells	GST
TIE 2, Active	T04-11G	Human	771-end	Sf9 cells	GST
TLK1, Active	T10-10G	Human	Full Length	Sf9 cells	GST
TLK2, Active	T11-11G	Human	388-end	Sf9 cells	GST
TNIK, Active	T27-11G	Human	1-367	Sf9 cells	GST
TNK1, Active	T12-11G	Human	1-510	Sf9 cells	GST
TOPK, Active	T14-10G	Human	Full Length	Sf9 cells	GST
TRIO, Active	T16-11G	Human	2627-end	Sf9 cells	GST
TRKA, Active	N16-11G	Human	440-end	Sf9 cells	GST
TRKB, Active	N17-11G	Human	455-end	Sf9 cells	GST
TRKC, Active	N18-11H	Human	507-end	Sf9 cells	HIS
TSSK1B, Active	S40-10BG	Human	Full Length	Sf9 cells	GST
TSSK2, Active	S38-10G	Human	Full Length	Sf9 cells	GST
TTBK1, Active	T17-11G	Human	1-479	Sf9 cells	GST
TTBK2, Active	T18-11G	Mouse	70-538	Sf9 cells	GST
TTK, Active	T20-10G	Human	Full Length	Sf9 cells	GST
TXK, Active	T19-11G	Human	239-end	Sf9 cells	GST
TXK, Active	T19-11CG	Rat	190-end	Sf9 cells	GST
TYK2 (JTK1), Active	T21-11G	Human	442-end	Sf9 cells	GST
TYRO3, Active	T22-11G	Human	455-end	Sf9 cells	GST
ULK1, Active	U01-11G	Human	1-649	Sf9 cells	GST
ULK2, Active	U02-11G	Human	1-478	Sf9 cells	GST
ULK3, Active	U03-10H	Human	Full Length	Sf9 cells	HIS
VRK1, Active	V01-10G	Human	Full Length	Sf9 cells	GST
VRK2, Active	V02-11G	Human	1-375	Sf9 cells	GST
WNK1, Active	W02-11G	Human	181-507	Sf9 cells	GST
WNK2, Active	W03-11G	Human	1-489	Sf9 cells	GST
WNK4, Active	W05-11G	Mouse	1-441	Sf9 cells	GST
YES1, Active	Y01-10G	Human	Full Length	Sf9 cells	GST
YSK4 (MAP3K19), Active	Y06-11G	Human	941-end	Sf9 cells	GST
ZAK, Active	Z01-10G	Human	Full Length	Sf9 cells	GST
ZAP70, Active	Z02-10G	Human	Full Length	Sf9 cells	GST

# Using Myelin Basic Protein (MBP) for Effective Cell Signaling Research

## Broad Kinase Specificity

- >125 Ser/Thr Kinases with Defined Assays
- Tyrosine Kinases
- Tested With SignalChem's Over 700 Kinases

## Dependable Performance

- >90% Average Purity
- Lot-to-Lot Consistency

SignalChem's purified Myelin Basic Protein (MBP) (M42-51N) from swine tissue is an effective substrate for many human kinases, making it a versatile tool for exploring mechanisms in signal transduction.

MBP is a phosphoprotein targeted by Ser/Thr and Tyr kinases at several conserved amino acid residues (1-4). Hundreds of publications have cited the use of MBP as an appropriate kinase substrate, pointing to its use as a universal standard for testing kinase activity in basic life science research and drug discovery programs.

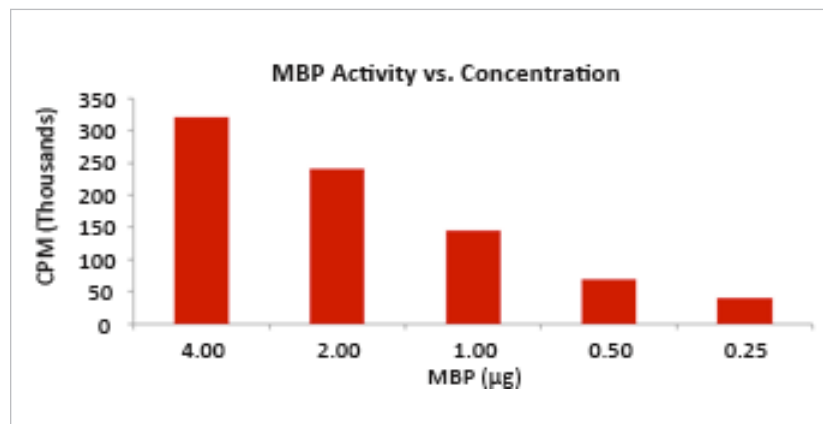


Figure: Sample of concentration dependent activity of purified swine MBP in kinase activity assays.

## References:

1. Turner RS et al., Phospholipid-sensitive  $Ca^{2+}$ -dependent protein kinase preferentially phosphorylates serine-115 of bovine myelin basic protein. *J Neurochem.* 1984 Nov;43(5):1257-64.
2. Turner RS et al., Substrate specificity of phospholipid/ $Ca^{2+}$ -dependent protein kinase as probed with synthetic peptide fragments of the bovine myelin basic protein. *J Biol Chem.* 1985 Sep 25;260(21):11503-7.
3. Kim SJ et al., Insulin-sensitive myelin basic protein phosphorylation on tyrosine residues. *Biochem Biophys Res Commun.* 1991 Aug 30;179(1):392-400.
4. Sanghera JS et al., Identification of the sites in myelin basic protein that are phosphorylated by meiosis-activated protein kinase p44mpk. *FEBS Lett.* 1990 Oct 29;273(1-2):223-6.

## Active Lipid Kinases

Name	Catalog #	Species	Sequence	Expression System	Tag
DGKA, Active	D21-10G	Human	Full Length	Sf9 cells	GST
PI3K (p110 alpha (E545K)/p85 alpha), Active	P27-152H	Human	Full Length	Sf9 cells	HIS
PI3K (p110 alpha (N345K)/p85 alpha), Active	P27-122CH	Human	Full Length	Sf9 cells	HIS
PI3K (p110 alpha(E542K)/p85 alpha), Active	P27-122DH	Human	Full Length	Sf9 cells	HIS
PI3K (p110 alpha/p55 gamma), Active	P27-102CH	Human	Full Length	Sf9 cells	HIS
PI3K (p110 alpha/p85 alpha), Active	P27-102G	Human	Full Length	Sf9 cells	GST
PI3K (p110 alpha/p85 alpha), Active	P27-102H	Human	Full Length	Sf9 cells	HIS
PI3K (p110 alpha/p85 alpha), Active	P27-182H	Mouse	Full Length	Sf9 cells	HIS
PI3K (p110 beta/p85 alpha), Active	P28-102H	Human	Full Length	Sf9 cells	HIS
PI3K (p110 beta/p85 beta), Active	P28-102BH	Human	Full Length	Sf9 cells	HIS
PI3K (p110 delta/p85 alpha), Active	P30-102H	Human	Full Length	Sf9 cells	HIS
PI3K (p120 gamma), Active	P29-102H	Human	Full Length	Sf9 cells	HIS
PI4K2A, Active	P21-102G	Human	Full Length	Sf9 cells	GST
PI4K2B, Active	P22-102G	Human	Full Length	Sf9 cells	GST
PI4KA, Active	P31-102G	Human	Full Length	Sf9 cells	GST
PI4KB, Active	P32-102G	Human	Full Length	Sf9 cells	GST
PIK3C2A, Active	P23-112G	Human	299-end	Sf9 cells	GST
PIK3C2B, Active	P24-112BG	Human	850-end	Sf9 cells	GST
PIK3C2G, Active	P25-112G	Human	468-1203	Sf9 cells	GST
PIK3C3 (Vps34), Active	P26-102G	Human	Full Length	Sf9 cells	GST
PIP4K2A, Active	P76-102AG	Human	Full Length	Sf9 cells	GST
PIP4K2B, Active	P76-102BG	Human	Full Length	Sf9 cells	GST
PIP4K2C, Active	P76-102CG	Human	Full Length	Sf9 cells	GST
PIP5K1A, Active	P16-102AG	Human	Full Length	Sf9 cells	GST
PIP5K1B, Active	P16-102BG	Human	Full Length	Sf9 cells	GST
PIP5K1C, Active	P16-102CG	Human	Full Length	Sf9 cells	GST
PIP5K3 (PIKFYVE), Active	P17-112BG	Human	1400-end	Sf9 cells	GST
SPHK1, Active	S17-102G	Human	Full Length	Sf9 cells	GST
SPHK2, Active	S18-102G	Human	Full Length	Sf9 cells	GST

## Active Methyltransferases

Name	Catalog #	Species	Sequence	Expression System	Tag
COMT, Active	C339-381G	Human	27-271	Sf9 cells	GST
DNMT3A, Active	D353-380G	Human	Full Length	Sf9 cells	GST
DNMT3B, Active	D353-380BG	Human	Full Length	Sf9 cells	GST
DNMT3L, Active	D353-380CG	Human	Full Length	Sf9 cells	GST
DOT1L (KMT4), Active	D344-381G	Human	1-435	Sf9 cells	GST
EHMT1 (KMT1D), Active	E317-381G	Human	895-end	Sf9 cells	GST
EHMT2, Active	E318-381G	Human	807-end	Sf9 cells	GST
LCMT1, Active	L321-380G	Human	Full Length	Sf9 cells	GST
MLL1 (KMT2A), Active	M341-381G	Human	3738-end	Sf9 cells	GST
MLL2 (KMT2D), Active	M342-381G	Human	5317-end	Sf9 cells	GST
MLL3 (KMT2C), Active	M343-381G	Human	4689-end	Sf9 cells	GST
MLL5 (KMT2E), Active	M345-381G	Human	1-548	Sf9 cells	GST
N6AMT2, Active	N355-380BH	Human	Full Length	Sf9 cells	HIS
NNMT, Active	N330-380G	Human	Full Length	Sf9 cells	GST
PNMT, Active	P331-380G	Human	Full Length	Sf9 cells	GST
PRMT1, Active	P365-380G	Human	Full Length	Sf9 cells	GST
PRMT3, Active	P365-380CG	Human	Full Length	Sf9 cells	GST
PRMT4, Active	P365-380DG	Human	Full Length	Sf9 cells	GST



## Active Methyltransferases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
PRMT6, Active	P365-380FG	Human	Full Length	Sf9 cells	GST
PRMT8, Active	P365-380HG	Human	Full Length	Sf9 cells	HIS
SETD1A (KMT2F), Active	S342-381G	Human	1418-end	Sf9 cells	GST
SETD2 (KMT3A), Active	S343-381G	Human	1425-1717	Sf9 cells	GST
SETD6, Active	P365-380G	Human	Full Length	Sf9 cells	GST
SETD7, Active	S344-380G	Human	Full Length	Sf9 cells	GST
SMYD2 (KMT3C), Active	S348-380BG	Human	Full Length	Sf9 cells	GST
SMYD3, Active	S348-380CG	Human	Full Length	Sf9 cells	GST
SUV39H1 (KMT1A), Active	S350-380G	Human	Full Length	Sf9 cells	GST
SUV39H2 (KMT1B), Active	S350-380BG	Human	Full Length	Sf9 cells	GST
SUV420H1 (KMT5B), Active	S351-380G	Human	Full Length	Sf9 cells	GST
WHSC1 (NSD2), Active	N377-381G	Human	911-end	Sf9 cells	GST

## Active Phosphatases

Name	Catalog #	Species	Sequence	Expression System	Tag
CDC25A, Active	C04-20G	Human	Full Length	Sf9 cells	GST
CDC25B, Active	C04-20BG	Human	Full Length	Sf9 cells	GST
CDC25C, Active	C04-20CG	Human	Full Length	Sf9 cells	GST
DUSP22 (MKPX), Active	D22-20G	Human	Full Length	E. coli cells	GST
PP1A, Active	P13-20G	Human	Full Length	Sf9 cells	GST
PP1B, Active	P14-20G	Human	Full Length	Sf9 cells	GST
PP2A alpha/PPP2R1A Complex, Active	P16-20BH	Human	Full Length	Sf9 cells	GST
PP2A alpha, Active	P16-20G	Human	Full Length	Sf9 cells	GST
PP2C alpha, Active	P02-20G	Human	Full Length	Sf9 cells	GST
PP2C gamma, Active	P07-20G	Human	Full Length	Sf9 cells	GST
PTEN, Active	P23-20G	Human	Full Length	E. coli cells	GST
PTPN1 (PTP1B), Active	P28-20G	Human	Full Length	Sf9 cells	GST
PTPN11 (SHP2), Active	P38-21G	Human	246-593	E. coli cells	GST
PTPN12 (PTP-PEST), Active	P39-21G	Human	1-355	E. coli cells	GST
PTPN13 (FAP-1), Active	P40-21G	Human	2169-2485	E. coli cells	GST
PTPN2 (TC-PTP), Active	P29-20G	Human	Full Length	E. coli cells	GST
PTPN6 (SHP1), Active	P33-20G	Human	Full Length	E. coli cells	GST
PTPN7 (LC-PTP), Active	P34-20G	Human	Full Length	E. coli cells	GST
PTPRA (LRP), Active	P48-21G	Human	174-802	E. coli cells	GST
PTPRC (CD45), Active	P50-21H	Human	604-end	Sf9 cells	HIS
PTPRC (CD45), Active	P50-21BG	Mouse	592-end	E. coli cells	GST
PTPRE, Active	P52-21G	Human	75-end	Sf9 cells	GST
PTPRF (LAR), Active	P53-21G	Human	1275-1897	E. coli cells	GST
PTPRJ (CD148), Active	P56-21G	Human	Full Length	Sf9 cells	GST
PTPRS (PTP-sigma), Active	P64-21G	Human	883-1210	E. coli cells	GST
SHIP1, Active	P08-20G	Human	Full Length	Sf9 cells	GST
SHIP2, Active	P09-20G	Human	Full Length	Sf9 cells	GST

## Active Phosphodiesterases

Name	Catalog #	Species	Sequence	Expression System	Tag
PDE1A, Active	P89-30H	Human	Full Length	Sf9 cells	HIS
PDE1B, Active	P89-30BG	Human	Full Length	Sf9 cells	GST
PDE1C, Active	P89-30CG	Human	Full Length	Sf9 cells	GST
PDE2A, Active	P90-30G	Human	Full Length	Sf9 cells	GST

## Active Phosphodiesterases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
PDE3A, Active	P91-31G	Human	669-end	Sf9 cells	GST
PDE3B, Active	P91-31BG	Human	654-end	Sf9 cells	GST
PDE4A, Active	P92-31G	Human	332-end	Sf9 cells	GST
PDE4B, Active	P92-31BG	Human	305-end	Sf9 cells	GST
PDE4C, Active	P92-31CG	Human	287-end	Sf9 cells	GST
PDE4D, Active	P92-31DG	Human	225-end	Sf9 cells	GST
PDE5A, Active	P93-31G	Human	537-end	Sf9 cells	GST
PDE6A, Active	P94-31G	Human	31-end	Sf9 cells	GST
PDE6B, Active	P94-30BG	Human	Full Length	Sf9 cells	GST
PDE7A, Active	P95-31G	Human	104-end	Sf9 cells	GST
PDE7B, Active	P95-30BG	Human	Full Length	Sf9 cells	GST
PDE8A, Active	P96-30G	Human	Full Length	Sf9 cells	GST
PDE8B, Active	P96-31BG	Human	113-end	Sf9 cells	GST
PDE9A, Active	P97-30G	Human	Full Length	Sf9 cells	GST
PDE10A, Active	P98-31G	Human	71-end	Sf9 cells	GST

## Active Proteases

Name	Catalog #	Species	Sequence	Expression System	Tag
CPB (carboxypeptidase B), Active	C560-31N	Rat	109-end	Yeast cells	Tag-Free
EK (enterokinase), Active	E535-31H	Swine	800-end	Yeast cells	HIS
Immobilized Lys-c, Agarose	L585-31AN	Bacteria	206-473 aa	E. coli cells	Tag-Free
Immobilized Lys-c, Silica	L585-31SN	Bacteria	206-473 aa	E. coli cells	Tag-Free
Immobilized Thrombin, Agarose	T565-31AN	Human	N/A	N/A	Native
Immobilized Trypsin, Agarose	T575-31AN	Swine	10-end	Yeast cells	Tag-Free
Immobilized Trypsin, Silica	T575-31SN	Swine	10-end	Yeast cells	Tag-Free
KEX2 Protease, Active	K525-31N	Yeast	110-660 aa	Yeast cells	Tag-Free
Lys-c (lysyl-endopeptidase), Active	L585-31N	Bacteria	206-473 aa	E. coli cells	Tag-Free
TEV (Tobacco Etch Virus) Protease, Active	T525-31H	TE Virus	2038-2279 aa	E. coli cells	HIS
Thrombin, Active	T565-31N	Human	364-end	E. coli cells	Tag-Free
Trypsin, Active	T575-31N	Swine	10-end	Yeast cells	Tag-Free



## SIGNALING PROTEINS

Signaling Proteins are integral components in signal transduction pathways. They encompass a wide variety of proteins such as cell signaling intermediates, adaptor proteins, scaffold proteins, molecular chaperones and transcription factors. SignalChem manufactures Signaling Proteins to help scientists to study various aspects of cell signaling.

### Acetyl/Methyltransferase Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
ASH2L Protein	A372-30BG	Human	Full Length	E. coli cells	GST
BRD3 Protein	B17-30G	Human	Full Length	Sf9 cells	GST
DNMT1 Protein	D351-31G	Mouse	766-end	Sf9 cells	GST
EZH1 Protein	E395-30G	Human	Full Length	Sf9 cells	GST
EZH2 (Y641C) Protein	E396-32BG	Human	Full Length	Sf9 cells	GST
EZH2 (Y641H) Protein	E396-32DG	Human	Full Length	Sf9 cells	GST
EZH2 (Y641N) Protein	E396-32EG	Human	Full Length	Sf9 cells	GST
EZH2 (Y641S) Protein	E396-32FG	Human	Full Length	Sf9 cells	GST
EZH2 Protein	E396-30G	Human	Full Length	Sf9 cells	GST
HEMK1 Protein	H311-30G	Human	Full Length	Sf9 cells	GST
KAT3A (CREBBP) Protein	K312-31G	Human	518-1207	Sf9 cells	GST
KAT3B (EP300) Protein	K312-31BG	Human	532-1153	Sf9 cells	GST
KAT4 Protein	K313-31G	Human	1032-end	Sf9 cells	GST
KAT8 (MYST1) Protein	K317-31G	Human	2-467	Sf9 cells	GST
KAT9 (ELP3 ) Protein	K318-30G	Human	Full Length	Sf9 cells	GST
LCMT2 Protein	L322-30G	Human	Full Length	Sf9 cells	GST
METTL1 Protein	M321-30G	Human	Full Length	Sf9 cells	GST
METTL11A Protein	M331-30G	Human	Full Length	Sf9 cells	GST
METTL14 Protein	M334-30G	Human	Full Length	Sf9 cells	GST
METTL2A Protein	M322-30G	Human	Full Length	Sf9 cells	GST
METTL3 Protein	M323-30G	Human	Full Length	Sf9 cells	GST
MGMT Protein	M354-30H	Human	Full Length	Sf9 cells	HIS
MLL1 (KMT2A) Protein	M341-31G	Human	3738-end	Sf9 cells	GST
MLL2 (KMT2D) Protein	M342-31G	Human	5317-end	Sf9 cells	GST
MLL3 (KMT2C) Protein	M343-31G	Human	4689-end	Sf9 cells	GST
N6AMT2 Protein	N355-30BH	Human	Full Length	Sf9 cells	HIS
P300 Protein	P07-31G	Human	1283-1673	Sf9 cells	GST
PCAF Protein	P09-31G	Human	431-end	E. coli cells	GST
PCMT1 Protein	P314-30G	Human	2-end	Sf9 cells	GST
PCNA Protein	P11-30H	Human	Full Length	E. coli cells	HIS
PRDM2 (KMT8) Protein	P333-31G	Human	1-340	Sf9 cells	GST
PRMT2 Protein	P365-30BG	Human	Full Length	Sf9 cells	GST
PRMT4 Protein	P365-30DG	Human	Full Length	Sf9 cells	GST
PRMT5 Protein	P365-30EG	Human	Full Length	Sf9 cells	GST
PRMT6 Protein	P365-30FG	Human	Full Length	Sf9 cells	GST
PRMT7 Protein	P365-30GG	Human	Full Length	Sf9 cells	GST
PRMT8 Protein	P365-30HG	Human	Full Length	Sf9 cells	GST
RBBP4 Protein	R314-30G	Human	Full Length	Sf9 cells	GST
RBBP5 Protein	R315-30H	Human	Full Length	E. coli cells	HIS
SETD1A (KMT2F) Protein	S342-31G	Human	1418-end	Sf9 cells	GST
SETD2 (KMT3A) Protein	S343-31G	Human	1425-1717	Sf9 cells	GST
SETD4 Protein	S353-30G	Human	Full Length	Sf9 cells	GST
SETD6 Protein	S355-30G	Human	Full Length	Sf9 cells	GST
SETD8 Protein	S345-30G	Human	Full Length	Sf9 cells	GST

## Acetyl/Methyltransferase Proteins (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
SETDB1 (KMT1E) Protein	S346-31G	Human	715-end	Sf9 cells	GST
SETDB2 Protein	S346-30BG	Human	Full Length	Sf9 cells	GST
SETMAR Protein	S347-30G	Human	Full Length	Sf9 cells	GST
SMYD2 Protein	S348-31BG	Human	Full Length	Sf9 cells	GST
SMYD3 Protein	S348-30CG	Human	Full Length	Sf9 cells	GST
SUV39H1 Protein	S350-30G	Human	Full Length	Sf9 cells	GST
SUV39H2 (KMT1B) Protein	S350-30BG	Human	Full Length	Sf9 cells	GST
SUV420H1 (KMT5B) Protein	S351-30G	Human	Full Length	Sf9 cells	GST
TRDMT1 (DNMT2) Protein	T352-30G	Human	Full Length	Sf9 cells	GST
WDR5 Protein	W325-30H	Human	Full Length	E. coli cells	HIS
WHSC1 (NSD2) Protein	N377-31G	Human	911-end	Sf9 cells	GST
WHSC1L1 (NSD3) Protein	N378-31G	Human	1038-end	Sf9 cells	GST

## Adaptor Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
FADD Protein	F02-30H	Human	Full Length	E. coli cells	HIS
GAB1 Protein	G03-30H	Human	Full Length	Sf9 cells	HIS
GRB2 Protein	G45-30G	Human	Full Length	E. coli cells	GST
GRB7 Protein	G45-30GG	Human	Full Length	E. coli cells	GST
NCK Protein	N06-30H	Human	Full Length	Sf9 cells	HIS
TRAF1 Protein	T56-30G	Human	Full Length	Sf9 cells	GST
TRAF2 Protein	T57-30G	Human	Full Length	Sf9 cells	GST

## Apoptosis Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
ATG13 Protein	A113-30G	Human	Full Length	E. coli cells	GST
BAD Protein	B03-30G	Human	Full Length	Sf9 cells	GST
BAG1 Protein	B05-31G	Human	72-end	E. coli cells	GST
BAX Protein	B14-30G	Human	Full Length	E. coli cells	GST
BCL2 Protein	B25-30G	Human	Full Length	E. coli cells	GST
BID Protein	B59-30G	Human	Full Length	Sf9 cells	GST
XIAP Protein	X08-30G	Human	Full Length	Sf9 cells	GST

## Arginine Deiminase Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
PAD1 Protein	P312-30G	Human	Full Length	Sf9 cells	GST
PAD2 Protein	P312-30BG	Mouse	Full Length	Sf9 cells	GST
PAD3 Protein	P312-30CG	Human	Full Length	Sf9 cells	GST
PAD4 Protein	P312-30DG	Human	Full Length	Sf9 cells	GST
PAD6 Protein	P312-30FG	Human	Full Length	Sf9 cells	GST

## BULK ORDERS

All products are available in bulk quantities or as custom preparations.  
Please contact us for more details.

## Cell Cycle Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
CDC7 Protein	C26-30G	Human	Full Length	Sf9 cells	GST
CDK2 Protein	C29-30G	Human	Full Length	Sf9 cells	GST
CDK5P25 Protein	C34-31G	Human	98-end	Sf9 cells	GST
CDK5P35 Protein	C34-30G	Human	Full Length	Sf9 cells	GST
CDKN3 Protein	C01-34G	Human	Full Length	Sf9 cells	GST
Cyclin A2 Protein	C78-30BG	Human	Full Length	Sf9 cells	GST
Cyclin C Protein	C80-30G	Human	Full Length	Sf9 cells	GST
Cyclin D1 Protein	C81-30BG	Human	Full Length	Sf9 cells	GST
Cyclin D1 Protein	C81-30G	Human	Full Length	E. coli cells	GST
Cyclin E1 Protein	C82-30G	Human	Full Length	Sf9 cells	GST
Cyclin E2 Protein	C82-30BG	Human	Full Length	Sf9 cells	GST
Cyclin H Protein	C83-30H	Human	Full Length	Sf9 cells	HIS
Cyclin K Protein	C84-30G	Human	Full Length	Sf9 cells	GST
Cyclin O Protein	C85-30G	Human	Full Length	Sf9 cells	GST
Cyclin T2 Protein	C86-30BG	Human	Full Length	Sf9 cells	GST
Cyclin Y Protein	C87-30G	Human	2-end	Sf9 cells	GST
MDM2 Protein	M45-31G	Human	202-end	E. coli cells	GST
MDM2 (1-118) Protein	M45-31BH	Human	1-118	E. coli cells	HIS
MDM4 (1-137) Protein	M47-31BH	Human	1-137	E. coli cells	HIS
p18INK4C Protein	C32-30G	Human	Full Length	E. coli cells	GST
p19INK4D Protein	C33-30G	Human	Full Length	E. coli cells	GST
p21CIP1 Protein	C27-30G	Human	Full Length	E. coli cells	GST
p27KIP1 Protein	C28-30G	Human	Full Length	E. coli cells	GST
p33ING1 Protein	I32-30H	Human	Full Length	Sf9 cells	HIS
p33ING2 Protein	I32-30BG	Human	Full Length	Sf9 cells	GST
p53 Protein	P05-30G	Human	Full Length	E. coli cells	GST
p53 Protein	P05-30BG	Human	Full Length	Hi5 cells	GST
p63 Protein	P06-30G	Human	Full Length	Sf9 cells	GST
P73 alpha Protein	P08-30G	Human	Full Length	Sf9 cells	GST
p73 beta Protein	P08-30BG	Human	Full Length	Sf9 cells	GST
p73 gamma Protein	P08-30CG	Human	Full Length	Sf9 cells	GST

## Cell Stress & Chaperone Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
14-3-3 alpha/beta Protein	Y71-30G	Human	Full Length	E. coli cells	GST
14-3-3 alpha/beta Protein	Y71-30N	Human	Full Length	E. coli cells	Tag-Free
14-3-3 epsilon Protein	Y75-30G	Human	Full Length	E. coli cells	GST
14-3-3 epsilon Protein	Y75-30N	Human	Full Length	E. coli cells	Tag-Free
14-3-3 sigma Protein	Y86-30G	Human	Full Length	E. coli cells	GST
14-3-3 sigma Protein	Y86-30N	Human	Full Length	E. coli cells	Tag-Free
14-3-3 theta Protein	Y84-30G	Human	Full Length	E. coli cells	GST
14-3-3 theta Protein	Y84-30N	Human	Full Length	E. coli cells	Tag-Free
14-3-3 zeta Protein	Y92-30G	Human	Full Length	E. coli cells	GST
14-3-3 zeta Protein	Y92-30N	Human	Full Length	E. coli cells	Tag-Free
CRYAA Protein	C256-30H	Human	Full Length	E. coli cells	HIS
GST Protein	G52-30U	Artificial	1-226	E. coli cells	Tag-Free
HO1 Protein	H20-30G	Human	Full Length	E. coli cells	GST
HO2 Protein	H21-30G	Human	Full Length	E. coli cells	GST
HSP10 Protein	H29-54G	Human	Full Length	E. coli cells	GST
HSP27 Protein	H30-54G	Human	Full Length	E. coli cells	GST

## Cell Stress & Chaperone Proteins (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
HSP40 Protein	H32-54G	Human	Full Length	E. coli cells	GST
HSP60 Protein	H33-54G	Human	Full Length	E. coli cells	GST
HSP70 Protein	H34-54G	Human	Full Length	E. coli cells	GST
HSP70 Protein	H34-54H	Human	Full Length	Sf9 cells	HIS
HSP90 alpha Protein	H36-50H	Human	Full Length	Sf9 cells	HIS
HSP90 beta Protein	H36-54H	Human	Full Length	Sf9 cells	HIS
Mortalin Protein	M54-31G	Human	47-end	Sf9 cells	GST
PARK7 (DJ-1) Protein	P219-31H	Human	19-end	E. coli cells	HIS

## Cellular Protein

Name	Catalog #	Species	Sequence	Expression System	Tag
AMHR2 Protein	A38-35G	Human	171-end	Sf9 cells	GST
AMPKG1 Protein	A60-30G	Human	Full Length	Sf9 cells	GST
AMPKG3 Protein	A60-30CG	Human	Full Length	Sf9 cells	GST/HIS
Annexin 5 Protein	A61-30H	Human	Full Length	E. coli cells	HIS
AXIN1 Protein	A71-30G	Human	Full Length	Sf9 cells	GST
AXIN2 Protein	A72-30G	Human	Full Length	Sf9 cells	GST
Calmodulin1 Protein	C01-30H	Human	Full Length	E. coli cells	HIS
CaMKPase Protein	P06-34G	Human	Full Length	E. coli cells	GST
EIF4E Protein	E34-30G	Human	Full Length	E. coli cells	GST
ENPP2 Protein	E22-35G	Human	36-end	Sf9 cells	GST
FKBP1A Protein	F37-30G	Human	Full Length	E. coli cells	GST
GAP43 Protein	G15-30H	Human	Full Length	E. coli cells	HIS
GFP Protein	E620-30H	Bacteria	Full Length	E. coli cells	HIS
HSD17B10 Protein	H23-30G	Human	Full Length	Sf9 cells	GST
HTRA (S234A) Protein	H531-36CH	Streptococcus	33-393	E. coli cells	HIS
HTRA Protein	H531-30CH	Streptococcus	33-393	E. coli cells	HIS
HTRA1 (161-379) Protein	H531-32H	Human	161-379	E. coli cells	HIS
HTRA1 (161-480) Protein	H531-31H	Human	161-480	E. coli cells	HIS
HTRA1 (S328A) Protein	H531-32BH	Human	161-379	E. coli cells	HIS
HTRA1 Protein	H531-30H	Human	23-480	Sf9 cells	HIS
HTRA2 Protein	H532-31H	Human	133-358	E. coli cells	HIS
HTRA3 Protein	H533-31H	Human	132-353	E. coli cells	HIS
HTRA4 Protein	H534-31H	Human	159-376	E. coli cells	HIS
IKK gamma Protein	I25-30G	Human	Full Length	Sf9 cells	GST
MO25 alpha Protein	M51-30G	Human	Full Length	Sf9 cells	GST
NPM1 Protein	N50-30H	Human	Full Length	E. coli cells	HIS
NPR1 Protein	N22-35G	Human	495-end	Sf9 cells	GST
NPR2 Protein	N23-35G	Human	479-end	Sf9 cells	GST
PDE6C Protein	P94-34CG	Human	Full Length	Sf9 cells	GST
PDE12 Protein	P100-30G	Human	Full Length	Sf9 cells	GST
PHLPP2 Protein	P72-21G	Human	766-1043	E. coli cells	GST
PI3K (p55 gamma) Protein	P31-30CH	Human	Full Length	Sf9 cells	HIS
PI3K (p65 alpha) Protein	P31-31H	Human	1-571	Sf9 cells	HIS
PI3K (p85 alpha) Protein	P31-30H	Human	Full Length	Sf9 cells	HIS
PI3K (p85 beta) Protein	P31-30BH	Human	Full Length	Sf9 cells	HIS
POMK (SGK196) Protein	S55-34G	Human	Full Length	Sf9 cells	GST
POR Protein	P242-30G	Human	Full Length	Sf9 cells	GST
PP2A beta Protein	P17-34G	Human	Full Length	Sf9 cells	GST
PP2B Protein	P18-34G	Human	Full Length	Sf9 cells	GST
PPP2R1A Protein	P162-30G	Human	Full Length	Sf9 cells	GST



## Cellular Proteins (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
PPP2R1A Protein	P162-30H	Human	Full Length	Sf9 cells	HIS
PPP2R1B Protein	P162-30BG	Human	Full Length	Sf9 cells	GST
PRKAR1A Protein	P57-30H	Human	Full Length	Sf9 cells	HIS
PRKAR1B Protein	P59-30H	Human	Full Length	Sf9 cells	HIS
PRPF4B Protein	P87-35G	Human	551-end	Sf9 cells	GST
PTEN Protein	P23-34G	Human	Full Length	E. coli cells	GST
PTPRM (PTP-mu) Protein	P58-35G	Human	764-1452	Sf9 cells	GST
VAV1 Protein	V14-31G	Human	73-end	Sf9 cells	GST

## Deacetylase/Demethylase Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
JMJD6 Protein	J453-30G	Human	Full Length	Sf9 cells	GST
KDM1A Protein	K421-31G	Human	172-end	Sf9 cells	GST
KDM1B Protein	K421-30BG	Mouse	Full Length	Sf9 cells	GST
KDM2A Protein	K422-31G	Human	1-748	Sf9 cells	GST
KDM2B Protein	K422-30BG	Human	Full Length	Sf9 cells	GST
KDM4A Protein	K424-31G	Human	1-886	Sf9 cells	GST
KDM4B Protein	K424-31BG	Mouse	1-725	Sf9 cells	GST
KDM4C Protein	K424-31CG	Human	1-460	Sf9 cells	GST
KDM5B Protein	K425-31BG	Human	1-753	Sf9 cells	GST
KDM5C Protein	K425-31CG	Human	1-671	Sf9 cells	GST
PPME1 Protein	P332-30G	Human	2-end	Sf9 cells	GST
SIRT1 Protein	S35-31EG	Human	193-end	E. coli cells	GST
SIRT2 Protein	S36-30EG	Human	Full Length	E. coli cells	GST
SIRT3 Protein	S37-30EG	Human	Full Length	E. coli cells	GST
SIRT4 Protein	S38-30EG	Human	Full Length	E. coli cells	GST
SIRT5 Protein	S39-30EG	Human	Full Length	E. coli cells	GST
SIRT6 Protein	S40-30EG	Human	Full Length	E. coli cells	GST

## Dihydropyrimidinase Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
DPYSL2 Protein	D470-30BG	Human	Full Length	Sf9 cells	GST

## Dioxygenase Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
IDO1 Protein	I211-30G	Human	Full Length	Sf9 cells	GST
IDO2 Protein	I212-30G	Mouse	Full Length	Sf9 cells	GST
TDO2 Protein	T213-30G	Human	Full Length	Sf9 cells	GST
TET1 Protein	T636-31G	Human	1598-end	Sf9 cells	GST
TET2 Protein	T637-31G	Human	1197-end	Sf9 cells	GST
TET3 Protein	T638-31G	Human	724-end	Sf9 cells	GST

## Fructose Kinases Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
PFKFB1 Protein	P321-30G	Human	Full Length	Sf9 cells	GST
PFKFB2 Protein	P322-30G	Human	Full Length	Sf9 cells	GST
PFKFB3 (S269A) Protein	P323-32BG	Human	Full Length	Sf9 cells	GST
PFKFB3 Protein	P323-30G	Human	Full Length	Sf9 cells	GST
PFKFB4 Protein	P324-30G	Human	2-end	Sf9 cells	GST

## G-Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
CDC42 Protein	C08-30G	Human	Full Length	E. coli cells	GST/HIS
HRAS1 (G12V) Protein	R05-32H	Human	2-186, G12V	E. coli cells	HIS
HRAS1 (Mature form) Protein	R05-31H	Human	2-186	E. coli cells	HIS
KRAS (G12D) Protein	R06-32BH	Human	2-186	E. coli cells	HIS
KRAS (G12V) Protein	R06-32CH	Human	2-186	E. coli cells	HIS
RAC1 Protein	R03-30G	Human	Full Length	E. coli cells	GST
RAC2 Protein	R04-30H	Human	Full Length	E. coli cells	HIS
RAC3 Protein	R02-30H	Human	Full Length	E. coli cells	HIS
RAS Protein	R05-30G	Human	Full Length	E. coli cells	GST
RGS1 Protein	R39-30H	Human	Full Length	E. coli cells	HIS
RHEB Protein	R42-30H	Human	Full Length	Sf9 cells	HIS
RhoA Protein	R44-30H	Human	Full Length	E. coli cells	HIS
RhoC Protein	R44-30CH	Human	Full Length	E. coli cells	HIS
RhoD Protein	R44-30DH	Human	Full Length	E. coli cells	HIS

## Kinase Mutant Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
BRAF Mutant (G466V) Protein	B08-12GG	Human	381-end or exon 9-18 (G466V)	Sf9 cells	GST
CAMKK1 Mutant (F230G) Protein	C17-12BG	Rat	Full Length	Sf9 cells	GST
EGFR Mutant (A767_S768insTLA) Protein	E10-13CG	Human	695-end (A767_S768insTLA)	Sf9 cells	GST
EGFR Mutant (d746-750 T790M) Protein	E10-12KG	Human	695-end (d746-750 T790M)	Sf9 cells	GST
EGFR Mutant (H773_V774insNPH) Protein	E10-13OG	Human	695-end (H773_V774insNPH)	Sf9 cells	GST
EGFR Mutant (H773_V774insPH) Protein	E10-13QG	Human	695-end (H773_V774insPH)	Sf9 cells	GST
EGFR Mutant (V769_D770insASV) Protein	E10-13DG	Human	695-end (V769_D770insASV)	Sf9 cells	GST
EGFR Mutant (V769_D770insGE) Protein	E10-13EG	Human	695-end (V769_D770insGE)	Sf9 cells	GST
ERK1 (K71A) Protein	M29-16H	Human	Full Length	E. coli cells	HIS
HER2 Mutant (E719G) Protein	E27-12CG	Human	676-end (E719G)	Sf9 cells	GST
HER2 Mutant (E719K) Protein	E27-12DG	Human	676-end (E719K)	Sf9 cells	GST
JAK1 Mutant (d966-989) Protein	J01-12DG	Human	438-end (d966-989)	Sf9 cells	GST
JAK1 Mutant (E966V) Protein	J01-12CG	Human	438-end (E966V)	Sf9 cells	GST
MEK1 (K97A), Unactive	M02-16H	Human	Full Length	E. coli cells	HIS
NUAK2 (K81R), Unactive	N20-16G	Human	Full Length	Sf9 cells	GST
p38 alpha (K53A), Unactive	M39-16H	Human	Full Length	E. coli cells	HIS
RIPK2 (K47A), Unactive	R08-16G	Human	1-299 (K47A)	Sf9 cells	GST
TIE2 (K855A), Unactive	T04-16BG	Human	771-end (K855A)	Sf9 cells	GST

## Kinase Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
AAK1 Protein	A01-35G	Human	1-465	Sf9 cells	GST
AATK Protein	A02-35G	Mouse	8-411	Sf9 cells	GST
ACTR2 Protein	A39-30G	Human	Full Length	Sf9 cells	GST
ACVR2A Protein	A35-35H	Human	161-end	Sf9 cells	HIS
ACVR2B Protein	A36-35G	Human	182-488	Sf9 cells	GST
ADCK1 Protein	A10-11G	Human	18-end	Sf9 cells	GST
ADCK3 Protein	A37-11G	Human	156-end	Sf9 cells	GST
ADCK5 Protein	A13-11G	Human	68-end	Sf9 cells	GST
ALK7 Protein	A08-35G	Human	135-end	Sf9 cells	GST
ARAF Protein	A24-35G	Human	209-end	Sf9 cells	GST
ASK3 Protein	M73-31G	Human	582-1169	Sf9 cells	GST
ATM Protein	A26-35G	Human	2667-end	Sf9 cells	GST
ATR Protein	A27-35G	Human	2245-end	Sf9 cells	GST
BCKDK Protein	B15-31G	Human	30-end	Sf9 cells	GST
BCR Protein	B01-35G	Human	1-695	Sf9 cells	GST
BMP2K Protein	B03-11G	Mouse	1-422	Sf9 cells	GST
BUB1 Protein	B11-35G	Human	756-end	Sf9 cells	GST
CDK11B (CDC2L1) Protein	C23-30G	Human	Full Length	Sf9 cells	GST
CDK12 (CRKRS) Protein	C62-35G	Human	658-end	Sf9 cells	GST
CDK12/CyclinK Protein	C62-35BG	Human	CDK12 (658-end) and Cyclin K (Full Length)	Sf9 cells	GST
CDK13 (CDC2L) Protein	C25-35G	Human	516-end	Sf9 cells	GST
CDK13/CyclinK Protein	C25-35BG	Human	CDK13 (516-end) and Cyclin K (Full Length)	Sf9 cells	GST
CDK20 (CCRK) Protein	C21-30G	Mouse	Full Length	Sf9 cells	GST
CDKL1 Protein	C43-30G	Human	Full Length	Sf9 cells	GST
CDKL2 Protein	C44-30G	Human	Full Length	Sf9 cells	GST
CDKL3 Protein	C45-30G	Human	Full Length	Sf9 cells	GST
CDKL4 Protein	C69-30G	Human	Full Length	Sf9 cells	GST
CLIK1L Protein	C76-34G	Human	Full Length	Sf9 cells	GST
CRKL Protein	C53-30H	Human	Full Length	Sf9 cells	HIS
DLK Protein	M20-31G	Human	1-520	Sf9 cells	GST
DNAPK Protein	D08-35G	Human	3746-end	Sf9 cells	GST
EPHA8 Protein	E20-35G	Human	565-end	Sf9 cells	GST
EPHB6 Protein	E26-35G	Human	617-end	Sf9 cells	GST
ERK3 (MAPK6) Protein	M31-34G	Human	Full Length	Sf9 cells	GST
ERK4 (MAPK4) Protein	M30-34G	Human	Full Length	Sf9 cells	GST
GAK Protein	G01-35G	Human	1-396	Sf9 cells	GST
GRK4 Protein	G02-31G	Human	140-end	Sf9 cells	GST
GUCY2F Protein	G12-31G	Human	367-end	Sf9 cells	GST
H11 (HSP22) Protein	H09-34G	Human	Full Length	Sf9 cells	GST
IRAK1 Protein	I09-35G	Human	194-end	Sf9 cells	GST
IRAK3 Protein	I11-34G	Human	Full Length	Sf9 cells	GST
LKB1 (STK11) Protein	L15-30G	Human	Full Length	Sf9 cells	GST
LMTK2 Protein	L07-35G	Human	66-583	Sf9 cells	GST
LMTK3 Protein	L08-35G	Mouse	63-484	Sf9 cells	GST
MAST2 Protein	M69-31G	Human	1-792	Sf9 cells	GST
MASTL Protein	M72-30G	Human	Full Length	Sf9 cells	GST
MOS Protein	M57-34G	Human	Full Length	Sf9 cells	GST
MYT1 Protein	M67-34G	Human	Full Length	Sf9 cells	GST
NRBP1 Protein	N24-34G	Human	Full Length	Sf9 cells	GST
OSR1 Protein	O09-34G	Human	Full Length	Sf9 cells	GST

## Kinase Proteins (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
p70S6KL1 Protein	R25-34G	Human	Full Length	Sf9 cells	GST
PAK2 Protein	P03-34G	Human	Full Length	Sf9 cells	GST
PCTK1 Protein	P09-35G	Human	107-end	Sf9 cells	GST
PCTK2 Protein	P10-34G	Human	Full Length	Sf9 cells	GST
PCTK3 Protein	P11-34G	Human	Full Length	Sf9 cells	GST
PFTK1 (CDK14) Protein	P15-30G	Human	Full Length	Sf9 cells	GST
PINK1 Protein	P33-35G	Human	114-end	Sf9 cells	GST
PIP5K3 Protein	P17-31G	Human	1493-end	Sf9 cells	GST
PRKY Protein	P82-35G	Human	40-end	Sf9 cells	GST
PSKH1 Protein	P89-34G	Human	2-end	Sf9 cells	GST
PTK7 Protein	P95-35G	Human	726-end	Sf9 cells	GST
PTK9 Protein	P97-34G	Human	2-end	Sf9 cells	GST
PTK9L (A6R) Protein	P98-30G	Human	Full Length	Sf9 cells	GST
PXK Protein	P99-35G	Human	Full Length	Sf9 cells	GST
RIOK1 Protein	R04-34G	Human	Full Length	Sf9 cells	GST
RIOK2 Protein	R05-34G	Human	Full Length	Sf9 cells	GST
RIOK3 Protein	R06-34G	Human	Full Length	Sf9 cells	GST
RIPK4 Protein	R26-35G	Human	15-426	Sf9 cells	GST
RYK Protein	R28-31G	Human	255-end	Sf9 cells	GST
SCYL1 Protein	S04-35G	Human	1-556	Sf9 cells	GST
SCYL2 Protein	S03-35G	Human	1-520	Sf9 cells	GST
SCYL3 Protein	S09-30G	Human	2-end	Sf9 cells	GST
SGK494 Protein	S57-34G	Human	Full Length	Sf9 cells	GST
STK9 Protein	C46-31G	Human	1-498	Sf9 cells	GST
STK16 Protein	S31-34G	Human	Full Length	Sf9 cells	GST
STK31 Protein	S45-35G	Human	496-end	Sf9 cells	GST
STK32A (YANK1) Protein	Y03-34G	Mouse	Full Length	Sf9 cells	GST
STK35 (CLIK1) Protein	S47-35G	Human	134-end	Sf9 cells	GST
STK40 (SHIK) Protein	S54-34G	Human	Full Length	Sf9 cells	GST
STYK1 (NOK) Protein	S53-35G	Human	58-end	Sf9 cells	GST
TAF1 (C-term) Protein	T28-35BG	Human	1032-end	Sf9 cells	GST
TAF1 (N-term) Protein	T28-35G	Human	1-561	Sf9 cells	GST
TBCKL Protein	T35-31G	Human	Full Length	Sf9 cells	GST
TESK1 Protein	T05-34G	Human	Full Length	Sf9 cells	GST
TP53RK Protein	T29-34G	Human	Full Length	Sf9 cells	GST
TRIB1 Protein	T30-30G	Human	Full Length	Sf9 cells	GST
TRIB2 Protein	T31-30G	Human	Full Length	Sf9 cells	GST
TRIB3 Protein	T32-30G	Human	Full Length	Sf9 cells	GST
TSSK3 Protein	S39-34G	Human	2-end	Sf9 cells	GST
TSSK6 (SSTK) Protein	S23-34G	Human	Full Length	Sf9 cells	GST
UHMK1 (KIS) Protein	K05-30G	Human	Full Length	Sf9 cells	GST
ULK4 Protein	U04-35G	Human	1-616	Sf9 cells	GST
VLK Protein	V05-31G	Human	129-end	Sf9 cells	GST
VRK3 Protein	V03-30G	Human	Full Length	Sf9 cells	GST
WEE1 Protein	W01-35G	Human	247-end	E. coli cells	GST
WEE2 Protein	W06-30BG	Mouse	Full Length	Sf9 cells	GST

## Lysyl Oxidase Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
LOX Protein	L260-31G	Human	169-end	Sf9 cells	GST
LOXL1 Protein	L261-31G	Human	292-end	Sf9 cells	GST
LOXL2 Protein	L262-31G	Human	519-end	Sf9 cells	GST
LOXL3 Protein	L263-31G	Human	526-end	Sf9 cells	GST

## Microtubule/Actin Associated Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
Cofilin 1 Protein	C37-54H	Human	Full Length	E. coli cells	HIS
INCENP Protein	I30-31H	Human	783-end	Sf9 cells	HIS
SNCA Protein	S22-30H	Human	Full Length	E. coli cells	HIS
SNCB Protein	S22-30BH	Human	Full Length	E. coli cells	HIS
SNCG Protein	S22-30CH	Human	Full Length	E. coli cells	HIS
Stathmin Protein	S71-30H	Human	Full Length	E. coli cells	HIS
TPM3 Protein	T36-30H	Human	Full Length	E. coli cells	HIS
TPX2 Protein	T40-30H	Human	Full Length	Sf9 cells	HIS
Troponin1 Protein	T68-30H	Human	Full Length	E. coli cells	HIS
Tubulin Beta (TUBB1) Protein	T92-50G	Human	Full Length	E. coli cells	GST
Vimentin Protein	V49-30H	Human	Full Length	E. coli cells	HIS

## Phospholipase C Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
PLCB1 Protein	P441-30G	Human	Full Length	Sf9 cells	GST
PLCD4 Protein	P442-30DG	Human	Full Length	Sf9 cells	GST

## Superoxide Dismutase

Name	Catalog #	Species	Sequence	Expression System	Tag
SOD1 Protein	S26-30G	Human	Full Length	E. coli cells	GST
SOD2 Protein	S27-30G	Human	Full Length	E. coli cells	GST
SOD3 Protein	S28-31G	Human	Full Length	Sf9 cells	GST

## Tau Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
Tau Protein Marker	T08-07N	N/A			
Tau-316 Protein	T02-54N	Human	Full Length	E. coli cells	Tag-Free
Tau-352 Protein	T03-54N	Human	Full Length	E. coli cells	Tag-Free
Tau-381 Protein	T04-54N	Human	Full Length	E. coli cells	Tag-Free
Tau-383 (N352H) Protein	T05-56N	Human	Full Length (N352H)	E. coli cells	Tag-Free
Tau-383 Protein	T05-54N	Human	Full Length	E. coli cells	Tag-Free
Tau-410 Protein	T06-54N	Human	Full Length	E. coli cells	Tag-Free
Tau-412 Protein	T07-54N	Human	Full Length	E. coli cells	Tag-Free
Tau-441 Protein	T08-54H	Human	Full Length	E. coli cells	HIS
Tau-441 Protein	T08-54N	Human	Full Length	E. coli cells	Tag-Free
Tau-441 (1-391) Protein	T08-55CN	Human	1-391	E. coli cells	Tag-Free
Tau-441 (1-421) Protein	T08-55BN	Human	1-421	E. coli cells	Tag-Free
Tau-441 (127-421) Protein	T08-55KN	Human	151-421	E. coli cells	Tag-Free
Tau-441 (151-391) Protein	T08-55FN	Human	151-391	E. coli cells	Tag-Free

## Tau Proteins (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
Tau-441 (151-421) Protein	T08-55EN	Human	151-421	E. coli cells	Tag-Free
Tau-441 (151-441) Protein	T08-55DN	Human	151-441	E. coli cells	Tag-Free
Tau-441 (216-391) Protein	T08-55LN	Human	216-391	E. coli cells	Tag-Free
Tau-441 (231-391) Protein	T08-55IN	Human	231-391	E. coli cells	Tag-Free
Tau-441 (231-421) Protein	T08-55HN	Human	231-421	E. coli cells	Tag-Free
Tau-441 (231-441) Protein	T08-55GN	Human	231-441	E. coli cells	Tag-Free
Tau-441 (244-372) Protein	T08-55N	Human	244-372	E. coli cells	Tag-Free
Tau-441 (50-391) Protein	T08-55ON	Human	50-391	E. coli cells	Tag-Free
Tau-441 (50-421) Protein	T08-55NN	Human	50-421	E. coli cells	Tag-Free
Tau-441 (50-441) Protein	T08-55MN	Human	50-441	E. coli cells	Tag-Free
Tau-441 (99-441) Protein	T08-55JN	Human	99-441	E. coli cells	Tag-Free
Tau-441 (A152T) Protein	T08-56VN	Human	A152T	E. coli cells	Tag-Free
Tau-441 (dK280) Protein	T08-52N	Human	dK280	E. coli cells	Tag-Free
Tau-441 (dN296) Protein	T08-52BN	Human	dN296	E. coli cells	Tag-Free
Tau-441 (G272V) Protein	T08-56DN	Human	G272V	E. coli cells	Tag-Free
Tau-441 (K257T) Protein	T08-56N	Human	K257T	E. coli cells	Tag-Free
Tau-441 (L266V) Protein	T08-56CN	Human	L266V	E. coli cells	Tag-Free
Tau-441 (N279K) Protein	T08-56EN	Human	N279K	E. coli cells	Tag-Free
Tau-441 (P301L) Protein	T08-56FN	Human	P301L	E. coli cells	Tag-Free
Tau-441 (P301S) Protein	T08-56GN	Human	P301S	E. coli cells	Tag-Free
Tau-441 (R406W) Protein	T08-56MN	Human	R406W	E. coli cells	Tag-Free
Tau-441 (S198A) Protein	T08-53BN	Human	S198A	E. coli cells	Tag-Free
Tau-441 (S198E) Protein	T08-53N	Human	S198E	E. coli cells	Tag-Free
Tau-441 (S199E) Protein	T08-53CN	Human	S199E	E. coli cells	Tag-Free
Tau-441 (S214A) Protein	T08-53DN	Human	S214A	E. coli cells	Tag-Free
Tau-441 (S305N) Protein	T08-56HN	Human	S305N	E. coli cells	Tag-Free
Tau-441 (S352L) Protein	T08-56KN	Human	S352L	E. coli cells	Tag-Free
Tau-441 (S404A) Protein	T08-53HN	Human	S404A	E. coli cells	Tag-Free
Tau-441 (S404E) Protein	T08-53GN	Human	S404E	E. coli cells	Tag-Free
Tau-441 (V337M) Protein	T08-56JN	Human	V337M	E. coli cells	Tag-Free
Tau-441, BRSK1-phosphorylated	T08-50N	Human	1-441	E. coli cells	Tag-Free
Tau-441, BRSK2-phosphorylated	T08-50BN	Human	1-441	E. coli cells	Tag-Free
Tau-441, CAMK2-phosphorylated	T08-50CN	Human	1-441	E. coli cells	Tag-Free
Tau-441, DYRK1A-phosphorylated	T08-50RN	Human	Full Length	E. coli cells	Tag-Free
Tau-441, GSK3 beta-phosphorylated	T08-50FN	Human	1-441	E. coli cells	Tag-Free
Tau-441, PHKG2-phosphorylated	T08-50KN	Human	1-441	E. coli cells	Tag-Free
Tau-441, PKA-phosphorylated	T08-50LN	Human	1-441	E. coli cells	Tag-Free
Tau-441, TTBK1-phosphorylated	T08-50ON	Human	1-441	E. coli cells	Tag-Free

## Transcription Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
ATF1 Protein	A09-54G	Human	Full Length	Sf9 cells	GST
c-JUN Protein	J05-55G	Human	1-79	E. coli cells	GST
Catenin alpha Protein	C05-30G	Human	Full Length	Sf9 cells	GST
Catenin beta Protein	C06-30G	Human	Full Length	Sf9 cells	GST
CBP Protein	C07-31G	Human	1319-1710	E. coli cells	GST
CREB1 Protein	C49-55G	Rat	1-280	E. coli cells	GST
ELK1 Protein	E64-30G	Human	Full Length	E. coli cells	GST
FOS Protein	F66-30G	Human	Full Length	Sf9 cells	GST



## Transcription Proteins (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
FOXO2 Protein	F71-30BG	Human	Full Length	Sf9 cells	GST
HSF1 Protein	H25-30G	Human	Full Length	E. coli cells	GST
IκBA Protein	I20-30G	Human	Full Length	E. coli cells	GST
IκBA Protein	I20-31G	Human	1-175	E. coli cells	GST
IκBB Protein	I21-30G	Human	Full Length	E. coli cells	GST
NFATC1 Protein	N12-30G	Human	Full Length	Sf9 cells	GST
NFKB2 Protein	N13-31G	Human	1-454	Sf9 cells	GST
Rel B Protein	R30-30H	Human	Full Length	Sf9 cells	HIS
SMAD1 Protein	S10-30G	Human	Full Length	E. coli cells	GST
SMAD2 Protein	S11-30G	Human	Full Length	E. coli cells	GST
SMAD3 Protein	S12-30G	Human	Full Length	E. coli cells	GST
SMAD4 Protein	S13-30G	Human	Full Length	E. coli cells	GST
SMAD5 Protein	S14-30G	Human	Full Length	E. coli cells	GST
SMAD9 Protein	S17-30G	Human	Full Length	E. coli cells	GST
STAT1 alpha Protein	S52-50G	Human	Full Length	Sf9 cells	GST
STAT1 beta Protein	S52-54G	Human	Full Length	Sf9 cells	GST
STAT2 Protein	S53-54G	Human	Full Length	Sf9 cells	GST
STAT3 Protein	S54-54G	Human	Full Length	Sf9 cells	GST
STAT4 Protein	S55-54H	Human	Full Length	Sf9 cells	HIS
STAT5 Protein	S56-54H	Human	Full Length	Sf9 cells	HIS
STAT5B Protein	S56-54BG	Human	Full Length	Sf9 cells	GST
STAT5B Protein	S56-54BH	Human	Full Length	Sf9 cells	HIS
STAT6 Protein	S57-30G	Human	Full Length	Sf9 cells	GST
TDP43 Protein	T74-30G	Human	Full Length	E. coli	GST

## Ubiquitin Proteins

Name	Catalog #	Species	Sequence	Expression System	Tag
BIRC3 Protein	B280-30G	Human	Full Length	Sf9 cells	GST
BIRC7 Protein	B281-30G	Human	Full Length	Sf9 cells	GST
FANCL Protein	F289-30G	Human	Full Length	Sf9 cells	GST
HERC4 Protein	H265-31G	Human	642-end	Sf9 cells	GST
MGRN1 Protein	M287-30G	Human	2-end	Sf9 cells	GST
Parkin Protein	P215-30G	Human	Full Length	Sf9 cells	GST
PRPF19 Protein	P270-30G	Human	2-end	Sf9 cells	GST
STUB1 (CHIP) Protein	C268-30H	Human	Full Length	E. coli	HIS
SUMO1 (UBL1) Protein	S293-31H	Human	2-97	E. coli	HIS
SUMO2 Protein	S294-31H	Human	1-93	E. coli	HIS
SUMO3 Protein	S295-31H	Human	1-92	E. coli	HIS
SYVN1 (HRD1) Protein	S284-31G	Human	226-end	Sf9 cells	GST
TRIM32 Protein	T291-30G	Human	2-end	Sf9 cells	GST
TRIM37 Protein	T292-30G	Human	Full Length	Sf9 cells	GST
UBA1 (UBE1) Protein	U201-30G	Human	Full Length	Sf9 cells	GST
UBA2 (SAE2) Protein	U202-30G	Human	Full Length	Sf9 cells	GST
UBA3 (UBE1C) Protein	U203-30G	Human	Full Length	Sf9 cells	GST
UBA7 (UBE1L) Protein	U207-30G	Human	Full Length	Sf9 cells	GST
UBE2A Protein	U210-30H	Human	Full Length	E. coli	HIS
UBE2B Protein	U211-30H	Human	Full Length	E. coli	HIS
UBE2C Protein	U212-30H	Human	Full Length	E. coli	HIS
UBE2D1 (UBCH5A) Protein	U213-30H	Human	Full Length	E. coli	HIS

## Ubiquitin Proteins (continued)

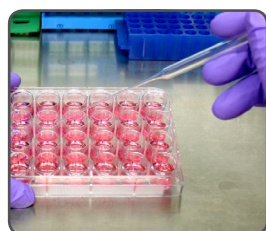
Name	Catalog #	Species	Sequence	Expression System	Tag
UBE2D2 (UBC4) Protein	U214-30H	Xenopus	Full Length	E. coli	HIS
UBE2D3 (UBCH5C) Protein	U215-30H	Human	Full Length	E. coli	HIS
UBE2E3 (UBCH9) Protein	U219-30H	Human	Full Length	E. coli	HIS
UBE2F Protein	U220-30H	Human	Full Length	E. coli	HIS
UBE2G1 (UBC7) Protein	U221-30H	Human	Full Length	E. coli	HIS
UBE2H Protein	U223-30H	Human	Full Length	E. coli	HIS
UBE2I Protein	U224-30H	Human	Full Length	E. coli	HIS
UBE2J1 Protein	U225-30G	Human	Full Length	Sf9 cells	GST
UBE2K (UBC1) Protein	U227-30H	Human	Full Length	E. coli	HIS
UBE2L6 (UBCH8) Protein	U229-30H	Human	Full Length	E. coli	HIS
UBE2N (UBC13) Protein	U231-30H	Human	2-end	E. coli	HIS
UBE2O Protein	U232-30G	Human	Full Length	Sf9 cells	GST
UBE2R1 Protein	U234-30H	Human	Full Length	E. coli	HIS
UBE2R2 (UBC3B) Protein	U235-30H	Human	2-end	E. coli	HIS
UBE2U Protein	U237-30G	Human	Full Length	Sf9 cells	GST
UBE2V2 Protein	U239-30H	Human	2-end	E. coli	HIS
UBE2W (UBC16) Protein	U240-30G	Human	Full Length	E. coli	GST
UBE2Z (USE1) Protein	U241-31H	Human	109-end	E. coli	HIS
Ubiquitin Protein	U06-54H	Human	1-76	E. coli	HIS
UBLE1A (SAE1) Protein	U208-30G	Human	Full Length	Sf9 cells	GST
UCHL1 Protein	U22-30H	Human	Full Length	E. coli	HIS
UCHL3 Protein	U24-30H	Human	Full Length	E. coli	HIS
UCHL5 Protein	U26-30H	Human	Full Length	E. coli	HIS
WWP1 Protein	W296-30G	Human	Full Length	Sf9 cells	GST
WWP2 Protein	W297-30G	Human	Full Length	Sf9 cells	GST

## Unactive Kinases

Name	Catalog #	Species	Sequence	Expression System	Tag
AKT1, Unactive	A16-14G	Human	Full Length	Sf9 cells	GST
AKT2, Unactive	A17-15H	Human	142-end	Sf9 cells	HIS
AKT2, Unactive	A17-14G	Human	Full Length	Sf9 cells	GST
AKT3, Unactive	A18-14G	Human	Full Length	Sf9 cells	GST
AMPK (A2/B1/G1), Unactive	P48-14H	Human	Full Length	Sf9 cells	HIS
AMPK (A2/B2/G3), Unactive	P46-14GH	Human	Full Length	Sf9 cells	GST/HIS
AURORA A, Unactive	A28-14G	Human	Full Length	Sf9 cells	GST
AURORA B, Unactive	A31-14G	Human	Full Length	Sf9 cells	GST
AURORA C, Unactive	A33-14G	Human	Full Length	Sf9 cells	GST
CDK1, Unactive	C22-14G	Human	Full Length	Sf9 cells	GST
CDK2, Unactive	C29-14BG	Human	Full Length	Sf9 cells	GST
CDK2/CyclinE1, Unactive	C29-14G	Human	Full Length	Sf9 cells	GST
CDK3, Unactive	C30-14G	Human	Full Length	Sf9 cells	GST
CDK4, Unactive	C31-14BG	Human	Full Length	Sf9 cells	GST
CDK4, Unactive	C31-14G	Human	Full Length	E. coli cells	GST
CDK5, Unactive	C33-14G	Human	Full Length	E. coli cells	GST
CDK6, Unactive	C35-15H	Human	Full Length	Sf9 cells	HIS
CDK6/CyclinD3, Unactive	C35-14H	Human	Full Length	Sf9 cells	HIS
CDK7, Unactive	C36-14G	Human	Full Length	Sf9 cells	GST
CDK8, Unactive	C38-14G	Human	Full Length	Sf9 cells	GST
CDK9, Unactive	C40-14G	Human	Full Length	Sf9 cells	GST
CDK11, Unactive	C42-14G	Human	Full Length	Sf9 cells	GST

## Unactive Kinases (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
COT, Unactive	M16-15G	Human	30-397	Sf9 cells	GST
ERK1, Unactive	M29-14U	Human	Full Length	E. coli cells	Tag-Free
ERK1, Unactive	M29-14G	Human	Full Length	E. coli cells	GST
ERK2, Unactive	M28-14G	Human	Full Length	E. coli cells	GST
ERK2, Unactive	M28-14U	Human	Full Length	E. coli cells	Tag-Free
FYN C, Unactive	F15-14G	Human	Full Length	Sf9 cells	GST
GSK3 beta, Unactive	G09-14G	Human	Full Length	E. coli cells	GST
JNK1, Unactive	M33-14G	Mouse	Full Length	E. coli cells	GST
JNK2, Unactive	M34-14G	Rat	Full Length	E. coli cells	GST
JNK3, Unactive	M35-14G	Human	Full Length	E. coli cells	GST
KSR1, Unactive	K07-15BG	Human	335-end	Sf9 cells	GST
KSR2, Unactive	K08-15G	Human	554-end	Sf9 cells	GST
LATS2 Protein	L02-35G	Human	480-1088	Sf9 cells	GST
LIMK1, Unactive	L04-15H	Human	285-638	Sf9 cells	HIS
MAPKAPK2, Unactive	M40-14G	Human	46-end	E. coli cells	GST
MAPKAPK3, Unactive	M41-14G	Human	Full Length	E. coli cells	GST
MAPKAPK5, Unactive	M42-14G	Human	Full Length	Sf9 cells	GST
MEK1, Unactive	M02-14H	Human	Full Length	Sf9 cells	HIS
MEK1, Unactive	M02-14BG	Human	Full Length	Sf9 cells	GST
MEK2, Unactive	M03-14G	Human	Full Length	Sf9 cells	GST
MEK3 (MAP2K3), Unactive	M04-14G	Human	Full Length	Sf9 cells	GST
MEK4 (MAP2K4), Unactive	M05-15G	Human	33-end	E. coli cells	GST
MEK6 (MAP2K6), Unactive	M07-14G	Human	Full Length	Sf9 cells	GST
NDR, Unactive	S49-14G	Human	Full Length	Sf9 cells	GST
p38 alpha, Unactive	M39-14G	Human	Full Length	E. coli cells	GST
p38 alpha, Unactive	M39-14U	Human	Full Length	E. coli cells	Tag-Free
p38 beta, Unactive	M36-14G	Human	Full Length	E. coli cells	GST
p38 delta, Unactive	M38-14G	Human	Full Length	Sf9 cells	GST
p38 gamma, Unactive	M37-14G	Human	Full Length	Sf9 cells	GST
p70S6K, Unactive	R21-14H	Human	Full Length	Sf9 cells	HIS
p70S6Kb, Unactive	R22-14G	Human	Full Length	Sf9 cells	GST
PAK1, Unactive	P02-14G	Human	Full Length	Sf9 cells	GST
PAK1, Unactive	P02-17G	Human	Full Length	Sf9 cells	GST
PEAK1, Unactive	P18-14G	Human	1127-end	Sf9 cells	GST
SGK1, Unactive	S06-15G	Human	60-end	Sf9 cells	GST
SGK1, Unactive	S06-14G	Human	Full Length	Sf9 cells	GST
SGK2, Unactive	S07-14G	Human	Full Length	Sf9 cells	GST
SGK3, Unactive	S08-14G	Human	Full Length	Sf9 cells	GST
SOK1, Unactive	S43-14G	Human	Full Length	Sf9 cells	GST
TGFβR1, Unactive	T07-35G	Human	80-end	Sf9 cells	GST
TOPK, Unactive	T14-14G	Human	Full Length	Sf9 cells	GST



## SIGNALING REAGENTS

SignalChem's Signaling Reagents are formulated specifically alongside our Active Enzymes, therefore ensuring validated catalytic activity. SignalChem offers tools for enzymatic studies, such as buffers and substrates.



## SIGNALING RELATED ANTIBODIES

- » Characterized and Validated
- » Wide Range of Applications
- » Targeted Against Post Translational Modifications

### Isoform Specific Antibodies

Name	Catalog #	Antibody Description	Application
Anti-AKT3	A18-63R	Rabbit Polyclonal	WB
Anti-AMPK alpha 1	P47-63R	Rabbit Polyclonal	WB
Anti-CAMK1	C07-60M	Mouse Monoclonal	WB
Anti-CHK2	C48-60M	Mouse Monoclonal	WB
Anti-ERK1 (E19)	M29-60BM	Mouse Monoclonal	WB, IP
Anti-ERK1 (E32)	M29-60M	Mouse Monoclonal	WB, IP
Anti-GSK3 alpha	G08-63R	Rabbit Polyclonal	WB
Anti-GSK3 beta	G09-60M	Mouse Monoclonal	WB
Anti-HSP90 beta	H36-63R	Rabbit Polyclonal	WB
Anti-JAK2	J02-63R	Rabbit Polyclonal	WB
Anti-JNK1	M33-63R	Rabbit Polyclonal	WB
Anti-JNK2	M34-60M	Mouse Monoclonal	WB, IP
Anti-MEK1	M02-60M	Mouse Monoclonal	WB, IP
Anti-MEK2	M03-63R	Rabbit Polyclonal	WB
Anti-p38 alpha	M39-63R	Rabbit Polyclonal	WB
Anti-p38 beta	M36-63R	Rabbit Polyclonal	WB
Anti-p38 gamma	M37-63R	Rabbit Polyclonal	WB
Anti-PAK1	P02-63R	Rabbit Polyclonal	WB
Anti-PKC delta	P64-63R	Rabbit Polyclonal	WB
Anti-PKC delta	P64-63CR	Rabbit Polyclonal	WB
Anti-PKC mu	P72-63R	Rabbit Polyclonal	WB
Anti-PKC theta	P74-63R	Rabbit Polyclonal	WB
Anti-SMAD2	S11-63R	Rabbit Polyclonal	WB
Anti-STAT1 beta	S52-63R	Rabbit Polyclonal	WB
Anti-STAT3	S54-63BR	Rabbit Polyclonal	WB, IP
Anti-STAT3	S54-63R	Rabbit Polyclonal	WB
Anti-STAT4	S55-63R	Rabbit Polyclonal	WB
Anti-STAT5	S56-63BR	Rabbit Polyclonal	WB
Anti-STAT5	S56-63R	Rabbit Polyclonal	WB

### Modification Antibodies

Name	Catalog #	Antibody Description	Application
Anti-5-Methylated Cytosine (5-methyl cytosine)	C92-67S	Sheep Polyclonal	WB, IP
Anti-Acetylated Lysine	L95-66R	Rabbit Polyclonal	WB, ELISA, IP, IHC, IF
Anti-Acetylated Lysine, (Biotin)	L95-66BR	Rabbit Polyclonal	WB, ELISA, IP, IHC, IF
Anti-Acetylated Lysine, (FITC)	L95-66CR	Rabbit Polyclonal	Direct IF Assay
Anti-Acetylated Lysine, (HRP)	L95-66DR	Rabbit Polyclonal	WB, ELISA, IP, IHC, IF
Anti-Methylated Lysine (Tri-e-N-methyl)	L95-67R	Rabbit Polyclonal	WB, ELISA, IP, IHC, IF
Anti-Methylated Lysine (Tri-e-N-methyl), (Biotin)	L95-67BR	Rabbit Polyclonal	WB, ELISA, IHC, IF
Anti-Methylated Lysine (Tri-e-N-methyl), (FITC)	L95-67CR	Rabbit Polyclonal	Direct IF Assay
Anti-Methylated Lysine (Tri-e-N-methyl), (HRP)	L95-67DR	Rabbit Polyclonal	WB, ELISA, IP, IHC, IF
Anti-Methylated Arginine (NG, NG-Di-methyl)	A96-67R	Rabbit Polyclonal	WB, ELISA, IP, IHC, IF

## Modification Antibodies (continued)

Name	Catalog #	Antibody Description	Application
Anti-Methylated Arginine (NG-Mono-methyl)	A95-67R	Rabbit Polyclonal	WB, ELISA, IP, IHC, IF
Anti-Phosphoserine (Anti-pS)	S95-65R	Rabbit Polyclonal	WB, ELISA, IP, IHC
Anti-Phosphoserine (Anti-pS), (Biotin)	S95-65BR	Rabbit Polyclonal	WB, ELISA
Anti-Phosphothreonine (Anti-pT)	T95-65R	Rabbit Polyclonal	WB, ELISA, IP, IHC
Anti-Phosphothreonine (Anti-pT), (Biotin)	T95-65BR	Rabbit Polyclonal	WB, ELISA
Anti-Phosphotyrosine (Anti-pY)	T96-65R	Rabbit Polyclonal	WB, ELISA, IP, IHC
Anti-Phosphotyrosine (Anti-pY), (Biotin)	T96-65BR	Rabbit Polyclonal	WB, ELISA, IHC, IP

## Phospho Specific Antibodies

Name	Catalog #	Antibody Description	Application
Anti-phospho-14-3-3 beta (Ser58)	Y71-365R	Rabbit Polyclonal	WB, IHC
Anti-phospho-4EBP1 (Thr45)	E35-365R	Rabbit Polyclonal	WB, IHC
Anti-phospho-AKT1/2/3 (Ser473)	A16-65BR	Rabbit Polyclonal	WB, IHC
Anti-phospho-AKT1/2/3 (Thr308)	A16-65R	Rabbit Polyclonal	WB, IHC
Anti-phospho-ASK1 (Ser966)	M13-65R	Rabbit Polyclonal	IHC
Anti-phospho-ATF2 (Ser112)	A10-565R	Rabbit Polyclonal	IHC
Anti-phospho-ATF2 (Ser490 Ser498)	A10-565BR	Rabbit Polyclonal	WB, IHC
Anti-phospho-BRCA1 (Ser1423)	B87-365R	Rabbit Polyclonal	IHC
Anti-phospho-c-KIT (Tyr721)	K06-65R	Rabbit Polyclonal	WB
Anti-phospho-c-KIT (Tyr936)	K06-65BR	Rabbit Polyclonal	IHC
Anti-phospho-CAMK2A/2B (Thr286)	C11-65R	Rabbit Polyclonal	WB
Anti-phospho-Catenin beta (Ser33 Ser37)	C06-365R	Rabbit Polyclonal	WB
Anti-phospho-CDK1 (Tyr15)	C22-65R	Rabbit Polyclonal	WB
Anti-phospho-CHK2 (Thr68)	C48-65R	Rabbit Polyclonal	WB, IHC
Anti-phospho-CREB1 (Ser133)	C49-565R	Rabbit Polyclonal	WB
Anti-phospho-EGFR (Thr678)	E10-65BR	Rabbit Polyclonal	WB
Anti-phospho-EGFR (Thr693)	E10-65CR	Rabbit Polyclonal	WB
Anti-phospho-EGFR (Tyr1092)	E10-65DR	Rabbit Polyclonal	WB, IHC
Anti-phospho-EGFR (Tyr1110)	E10-65ER	Rabbit Polyclonal	WB
Anti-phospho-EGFR (Tyr1197)	E10-65FR	Rabbit Polyclonal	WB, IHC
Anti-phospho-EIF2AK2 (Thr446)	P80-65R	Rabbit Polyclonal	WB, IHC
Anti-phospho-ELK1 (Ser383)	E64-65R	Rabbit Polyclonal	WB
Anti-phospho-EPHB2 (Tyr469)	E22-65R	Rabbit Polyclonal	WB
Anti-phospho-EPHB2 (Tyr473)	E22-65BR	Rabbit Polyclonal	WB
Anti-phospho-ERK1/2 (Thr202)	M29-65R	Rabbit Polyclonal	WB
Anti-phospho-ERK1/2 (Thr202/Tyr204)	M29-652R	Rabbit Polyclonal	WB, IHC
Anti-phospho-ERK1/2 (Tyr204)	M29-65BR	Rabbit Polyclonal	WB, IHC, IF
Anti-phospho-GABABR2 (Ser783)	G803-465BR	Rabbit Polyclonal	WB, IF
Anti-phospho-GluR1 (Ser845)	G830-365R	Rabbit Polyclonal	WB, IHC
Anti-phospho-GSK3 beta (Ser9)	G09-652R	Rabbit Polyclonal	WB
Anti-phospho-GSK3 beta (Ser9)	G09-65R	Rabbit Polyclonal	WB, IHC
Anti-phospho-HDAC2 (Ser394)	H84-65R	Rabbit Polyclonal	WB, IHC, IF
Anti-phospho-HER2 (Tyr877)	E27-65R	Rabbit Polyclonal	WB, IHC
Anti-phospho-Histone H2A.X (Ser139)	H11-565R	Rabbit Polyclonal	WB
Anti-phospho-Histone H3.1 (Ser10)	H12-565R	Rabbit Polyclonal	WB, IHC
Anti-phospho-IRS1 (Ser312)	I40-365R	Rabbit Polyclonal	WB

## Phospho Specific Antibodies (continued)

Name	Catalog #	Antibody Description	Application
Anti-phospho-IRS1 (Ser639)	I40-365BR	Rabbit Polyclonal	IHC
Anti-phospho-JAK1 (Tyr1022)	J01-65R	Rabbit Polyclonal	IHC
Anti-phospho-JAK2 (Tyr1007)	J02-65BR	Rabbit Polyclonal	IHC
Anti-phospho-JAK2 (Tyr221)	J02-65R	Rabbit Polyclonal	IHC
Anti-phospho-KDR (Tyr1214)	K01-65BR	Rabbit Polyclonal	IHC
Anti-phospho-KDR (Tyr951)	K01-65R	Rabbit Polyclonal	WB, IHC
Anti-phospho-MARCKS (Ser152 Ser156)	M02-565R	Rabbit Polyclonal	WB
Anti-phospho-MEK1 (Thr292)	M02-65BR	Rabbit Polyclonal	WB
Anti-phospho-MEK1 (Thr386)	M02-65CR	Rabbit Polyclonal	WB
Anti-phospho-MEK1/2 (Ser218 Ser222)	M02-652R	Rabbit Polyclonal	WB
Anti-phospho-MEK1/2 (Ser222)	M02-65R	Rabbit Polyclonal	WB, IHC
Anti-phospho-MEK5 (Ser311 Ser315)	M06-65R	Rabbit Polyclonal	WB
Anti-phospho-mTOR (Ser2448)	F17-65R	Rabbit Polyclonal	IHC
Anti-phospho-p38 alpha (Thr180 Tyr182)	M39-652R	Rabbit Polyclonal	WB, IHC
Anti-phospho-p38 alpha (Tyr182)	M39-65R	Rabbit Polyclonal	WB, IHC
Anti-phospho-p53 (Ser392)	P05-363R	Rabbit Polyclonal	WB
Anti-phospho-PAK1 (Thr212)	P02-65BR	Rabbit Polyclonal	WB, IHC
Anti-phospho-PAK1/2/3 (Thr402)	P02-652R	Rabbit Polyclonal	WB
Anti-phospho-Parkin (Ser101)	P215-65R	Rabbit Polyclonal	WB
Anti-phospho-Parkin (Ser378)	P215-65BR	Rabbit Polyclonal	WB
Anti-phospho-PDK1 (Ser241)	P14-65R	Rabbit Polyclonal	WB, IHC
Anti-phospho-PLCG1 (Tyr783)	P40-465R	Rabbit Polyclonal	WB
Anti-phospho-PLCG2 (Tyr753)	P41-465R	Rabbit Polyclonal	WB
Anti-phospho-PLK1 (Thr210)	P41-65R	Rabbit Polyclonal	WB
Anti-phospho-RAF1 (Ser301)	R01-65R	Rabbit Polyclonal	WB
Anti-phospho-RAF1 (Ser642)	R01-65BR	Rabbit Polyclonal	WB
Anti-phospho-SNCA (Ser129)	S22-365R	Rabbit Polyclonal	WB
Anti-phospho-Src (Tyr529)	S19-65BR	Rabbit Polyclonal	WB, IHC
Anti-phospho-STAT3 (Ser727)	S54-365BR	Rabbit Polyclonal	WB, IHC
Anti-phospho-STAT3 (Tyr705)	S54-365R	Rabbit Polyclonal	WB, IHC
Anti-phospho-STAT5A (Ser780)	S56-365R	Rabbit Polyclonal	WB, IHC
Anti-phospho-STK10-a (Ser482 Ser486 Ser490)	S29-165R	Rabbit Polyclonal	WB
Anti-phospho-Tau (Ser214)	T08-365GR	Rabbit Polyclonal	WB
Anti-phospho-Tau (Ser235)	T08-365FR	Rabbit Polyclonal	WB
Anti-phospho-Tau (Ser262)	T08-365IR	Rabbit Polyclonal	WB
Anti-phospho-Tau (Ser356)	T08-365MR	Rabbit Polyclonal	WB, IF
Anti-phospho-Tau (Ser396)	T08-365ER	Rabbit Polyclonal	WB
Anti-phospho-Tau (Ser404)	T08-365HR	Rabbit Polyclonal	WB
Anti-phospho-Tau (Ser416)	T08-365DR	Rabbit Polyclonal	WB
Anti-phospho-Tau (Ser422)	T08-365KR	Rabbit Polyclonal	WB
Anti-phospho-Tau (Thr181)	T08-365R	Rabbit Polyclonal	WB
Anti-phospho-Tau (Thr205)	T08-365BR	Rabbit Polyclonal	WB
Anti-phospho-Tau (Thr212)	T08-365JR	Rabbit Polyclonal	WB
Anti-phospho-Tau (Thr231)	T08-365CR	Rabbit Polyclonal	WB
Anti-phospho-TRKA (Ser791)	N16-65R	Rabbit Polyclonal	IF
Anti-phospho-ZAP70 (Tyr319)	Z02-65R	Rabbit Polyclonal	WB

## Primary Antibodies

Name	Catalog #	Antibody Description	Application
Anti-4EBP1	E35-563R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-ADD1	A38-63R	Rabbit Polyclonal	WB
Anti-AFX	A42-63R	Rabbit Polyclonal	WB
Anti-AKT (pan)	A16-63R	Rabbit Polyclonal	WB
Anti-AKT (pan)	A16-63BR	Rabbit Polyclonal	WB
Anti-AKT1	A16-60M	Mouse Monoclonal	WB
Anti-AKT1	A16-63CR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-AKT2/3	A17-63BR	Rabbit Polyclonal	WB
Anti-ALK2	A06-63R	Rabbit Polyclonal	WB, ELISA
Anti-ALK4	A07-63R	Rabbit Polyclonal	WB, ELISA
Anti-ALK7	A08-63R	Rabbit Polyclonal	WB, ELISA
Anti-alpha 1-Actin	A03-360M	Mouse Monoclonal	WB, IF, IHC
Anti-AMPK alpha 1/2	P47-63BR	Rabbit Polyclonal	WB
Anti-Amyloid beta	A06-563R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-AOS1	A80-63R	Rabbit Polyclonal	WB
Anti-APBA1	A86-363R	Rabbit Polyclonal	WB
Anti-APC1	A87-363R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-APC2	A88-363R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-APC3	A89-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-APC4	A90-363R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-APC5	A91-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-APC6	A92-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-APC7	A93-363R	Rabbit Polyclonal	WB, ELISA, IF
Anti-APC8	A94-363R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-APC10	A95-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-APC11	A96-363R	Rabbit Polyclonal	WB, ELISA, IF
Anti-APC13	A97-363R	Rabbit Polyclonal	WB, ELISA, IF
Anti-ASK1	M13-60M	Mouse Monoclonal	WB
Anti-ASK1	M13-60BM	Mouse Monoclonal	WB
Anti-ASK1	M13-63BR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-ASK1	M13-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-ASK1	M13-63CR	Rabbit Polyclonal	WB, ELISA
Anti-ATF2	A10-63R	Rabbit Polyclonal	WB
Anti-ATG5	A105-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-ATG13	A113-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-AXL	A34-63R	Rabbit Polyclonal	WB, ELISA
Anti-BAD	B03-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-BAG1	B05-363BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-BAG1	B05-363R	Rabbit Polyclonal	WB, ELISA
Anti-BAK1	B09-363R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-BAX	B14-363R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-BCL2	B25-63R	Rabbit Polyclonal	WB, IP
Anti-BCL2	B25-63BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-BCL2	B25-63CR	Rabbit Polyclonal	WB, ELISA, ICC
Anti-BCL2L1	B26-363R	Rabbit Polyclonal	WB, ELISA
Anti-BCL2L10	B26-363JR	Rabbit Polyclonal	WB, ELISA, ICC
Anti-BCL2L14	B26-363NR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-beta-Actin	A03-63BR	Rabbit Polyclonal	WB
Anti-beta-Actin	A03-60BM	Mouse Monoclonal	WB
Anti-BID	B59-363BR	Rabbit Polyclonal	WB, ELISA
Anti-BID	B59-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-BIRC2	B279-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-BMPR2	B06-63R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-BOK	B70-363R	Rabbit Polyclonal	ELISA, IHC
Anti-BRAF	B08-63R	Rabbit Polyclonal	WB, ELISA
Anti-BRSK1	B13-63BR	Rabbit Polyclonal	WB, ELISA, IF, IHC



## Primary Antibodies (continued)

Name	Catalog #	Antibody Description	Application
Anti-BRSK1	B13-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-BRSK2	B14-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-BTK	B10-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-BUB1	B11-63BR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-BUB1	B11-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-c-JUN	C05-63R	Rabbit Polyclonal	WB
Anti-c-KIT	K06-63R	Rabbit Polyclonal	ELISA, IHC
Anti-CASK	C19-63R	Rabbit Polyclonal	WB, ELISA, IF
Anti-CASKIN1	C13-363R	Rabbit Polyclonal	WB, ELISA
Anti-Caspase-3	C603-363CR	Rabbit Polyclonal	ELISA, IHC
Anti-CD5L (CT-2)	C61-363BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-CD5L (CT-2)	C61-363R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-CDC25A	C04-63R	Rabbit Polyclonal	WB
Anti-CDC42	C08-363R	Rabbit Polyclonal	WB, ELISA
Anti-CDK5	C33-60M	Mouse Monoclonal	WB, IHC
Anti-CHK2	C48-63R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-Choline Acetyltransferase	C309-363G	Goat Polyclonal	WB, IHC
Anti-CREB	C49-63R	Rabbit Polyclonal	WB, IP
Anti-Cyclin A	C78-363R	Rabbit Polyclonal	WB, ELISA, IP
Anti-Cyclin O	C85-363BR	Rabbit Polyclonal	WB, ELISA
Anti-Cyclin O	C85-363R	Rabbit Polyclonal	WB, ELISA
Anti-Cyclin T1	C86-363BR	Rabbit Polyclonal	WB, ELISA
Anti-Cytokeratin 5 (KRT5)	C91-563R	Rabbit Polyclonal	WB, ELISA
Anti-DAPK2	D02-63R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-DAPK3	D03-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-DCAMKL1	D14-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-DCAMKL2	D15-63R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-DCAMKL3	D16-63R	Rabbit Polyclonal	WB, ELISA, IF
Anti-DLK1	M20-63R	Rabbit Polyclonal	WB, ELISA
Anti-DOK1	D42-63R	Rabbit Polyclonal	WB
Anti-DRAK2 (STK17B)	S34-63R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-DYRK1A	D09-63R	Rabbit Polyclonal	WB, ELISA, IF
Anti-DYRK2	D10-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-EGFR	E10-63BR	Rabbit Polyclonal	WB
Anti-EGFR	E10-63R	Rabbit Polyclonal	WB
Anti-EIF2AK2 (PKR)	P80-63R	Rabbit Polyclonal	WB
Anti-EIF2AK2 (PKR)	P80-63BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-EIF2AK2 (PKR)	P80-63CR	Rabbit Polyclonal	WB, ELISA, IHC
Anti-eIF4E	E34-63R	Rabbit Polyclonal	WB
Anti-ELK1	E64-63R	Rabbit Polyclonal	WB
Anti-ERK1	M29-60CM	Mouse Monoclonal	IP
Anti-ERK1/2	M29-60EM	Mouse Monoclonal	WB
Anti-ERK2	M28-63R	Rabbit Polyclonal	WB
Anti-EZH1	E95-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-EZH2	E96-363R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-FGF4	F824-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-FLT3	F12-63R	Rabbit Polyclonal	WB, ELISA, IF
Anti-FOXO1	F19-63R	Rabbit Polyclonal	WB
Anti-FOXO3	F70-363R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-GAB1	G03-63R	Rabbit Polyclonal	WB
Anti-GAPDH	G13-61M	Mouse Monoclonal	WB, ELISA
Anti-GAPDH	G13-63R	Rabbit Polyclonal	WB
Anti-GATA1	G19-63R	Rabbit Polyclonal	WB
Anti-GFAP	G28-563R	Rabbit Polyclonal	WB, IF
Anti-GLUT1	G837-363R	Rabbit Polyclonal	WB, ELISA
Anti-GSK3 alpha/beta	G09-63R	Rabbit Polyclonal	WB

## Primary Antibodies (continued)

Name	Catalog #	Antibody Description	Application
Anti-HDAC1	H83-63R	Rabbit Polyclonal	WB
Anti-HDAC2	H84-63R	Rabbit Polyclonal	WB
Anti-HDAC4	H86-63R	Rabbit Polyclonal	WB
Anti-HDAC5	H87-63R	Rabbit Polyclonal	WB
Anti-HDAC6	H88-63R	Rabbit Polyclonal	WB
Anti-HDAC7	H89-63R	Rabbit Polyclonal	WB
Anti-HDAC8	H90-63R	Rabbit Polyclonal	WB
Anti-HDAC9	H91-63R	Rabbit Polyclonal	WB
Anti-HDAC11	H93-63R	Rabbit Polyclonal	WB
Anti-HER2	E27-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-HSF1	H25-63R	Rabbit Polyclonal	WB
Anti-HSP27	H30-63R	Rabbit Polyclonal	WB
Anti-IKK alpha	C51-63BR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-IKK alpha	C51-63CR	Rabbit Polyclonal	WB, ELISA, ICC
Anti-IKK alpha	C51-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-IKK beta	I03-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-IKK epsilon	I04-63R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-IKK gamma	I25-63R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-IL-21	I881-463R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-IRAK1	I09-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF, IP
Anti-IRAK2	I10-63BR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-IRAK2	I10-63CR	Rabbit Polyclonal	WB, ELISA
Anti-IRAK2	I10-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-IRAK3	I11-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-IRAK4	I12-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-IRS1	I40-363R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-JMJD1C	J48-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-JNK2/3	M34-63R	Rabbit Polyclonal	WB
Anti-KDM1A	K421-63BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-KDM1A	K421-63R	Rabbit Polyclonal	WB, ELISA
Anti-KDM3A	K423-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-KDM3B	K423-63BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-KDM4A	K424-63R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-KDM4B	K424-63BR	Rabbit Polyclonal	WB, ELISA
Anti-KDM6B	K426-63BR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-KDM8	K428-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-LKB1 (STK11)	L15-63R	Rabbit Polyclonal	WB, ELISA
Anti-MAP2	M110-563R	Rabbit Polyclonal	ELISA, IHC
Anti-MAPKAPK2/3	M40-63R	Rabbit Polyclonal	WB
Anti-MARCKS	M02-562R	Rabbit Polyclonal	WB, IF
Anti-MBP	M42-563C	Chicken Polyclonal	WB, IF
Anti-MCAM	M141-563R	Rabbit Polyclonal	WB, ELISA
Anti-MEK1/2	M02-63R	Rabbit Polyclonal	WB
Anti-mGLUR5	G834-463R	Rabbit Polyclonal	WB, IHC
Anti-mTOR	F17-63R	Rabbit Polyclonal	WB
Anti-mTOR	F17-63BR	Rabbit Polyclonal	WB, ELISA, ICC
Anti-MYT1L	M92-363R	Rabbit Polyclonal	WB, ELISA, IF
Anti-Nestin (NES)	N122-561M	Mouse Monoclonal	ELISA, IHC
Anti-Neurofilament-L (NF-L)	N125-561M	Mouse Monoclonal	WB, IF
Anti-NF-kB p105	N12-63R	Rabbit Polyclonal	WB
Anti-NIK	N22-63R	Rabbit Polyclonal	WB, ELISA
Anti-NOTCH 2	N42-363R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-NOTCH 4	N44-363R	Rabbit Polyclonal	ELISA, IHC
Anti-p16INK4A	C30-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-p21CIP1	C27-63R	Rabbit Polyclonal	WB
Anti-p21CIP1 (p21/WAF1)	C27-61M	Mouse Monoclonal	WB, ELISA, IP

## Primary Antibodies (continued)

Name	Catalog #	Antibody Description	Application
Anti-p38 alpha	M39-60M	Mouse Monoclonal	WB
Anti-p53	P05-63R	Rabbit Polyclonal	WB
Anti-p57KIP2	C29-363R	Rabbit Polyclonal	WB, ELISA, IF
Anti-p70S6K	R21-63R	Rabbit Polyclonal	WB
Anti-p70S6K	R21-63BR	Rabbit Polyclonal	WB
Anti-PAK2	P03-63BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-PAK2	P03-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-PAK4	P05-163R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-PAK6	P06-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-PAK7	P07-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-PDGFB	P842-63R	Rabbit Polyclonal	WB, ELISA
Anti-PGCC1	P845-363R	Rabbit Polyclonal	WB, ELISA
Anti-PHLPP1	P71-263R	Rabbit Polyclonal	WB, ELISA
Anti-PHLPP2	P72-263R	Rabbit Polyclonal	WB, ELISA
Anti-PIAS1	P280-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-PIAS2	P281-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-PIAS3	P282-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-PIAS4	P283-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-PKAc	P51-63R	Rabbit Polyclonal	WB
Anti-PKC delta/theta	P64-63DR	Rabbit Polyclonal	WB
Anti-PKC zeta	P75-63R	Rabbit Polyclonal	WB
Anti-PLAC1	P38-363R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-PLAC2	P38-363BR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-PLAC3	P38-363CR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-PLAC4	P38-363DR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-PLC gamma 1	P40-63R	Rabbit Polyclonal	WB
Anti-PTEN	P23-263BR	Rabbit Polyclonal	WB, ELISA, IF
Anti-PTEN	P23-263R	Rabbit Polyclonal	WB, ELISA
Anti-PTK7	P95-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-PTK7	P95-63BR	Rabbit Polyclonal	WB, ELISA, IHC
Anti-PTPN11 (SHP2)	P38-63CR	Rabbit Polyclonal	WB, ELISA, IF
Anti-PTPN11 (SHP2)	P38-63BR	Rabbit Polyclonal	WB, ELISA
Anti-PYK2	P92-63R	Rabbit Polyclonal	WB
Anti-QIK	S15-63R	Rabbit Polyclonal	WB, ELISA
Anti-RAF1	R01-63R	Rabbit Polyclonal	WB, ELISA
Anti-Raptor	R47-363R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-Raptor	R47-363BR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-Rel A	R29-63R	Rabbit Polyclonal	WB
Anti-Rel A	R29-63BR	Rabbit Polyclonal	WB
Anti-RHEB	R42-363R	Rabbit Polyclonal	WB, ELISA
Anti-RHEB	R42-363BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-RIPK1	R07-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-RIPK2	R08-63R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-RIPK2	R08-63BR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-RIPK3	R09-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-ROCK1	R10-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-ROCK2	R11-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-RSK (pan)	R15-63BR	Rabbit Polyclonal	WB
Anti-RSK1	R15-63R	Rabbit Polyclonal	WB
Anti-RSK1	R15-63CR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-RSK3	R16-63R	Rabbit Polyclonal	WB
Anti-SGK1	S06-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-SH2D1A (SAP)	S03-63R	Rabbit Polyclonal	WB
Anti-SHP2	P38-63R	Rabbit Polyclonal	WB
Anti-SIK1	S14-63R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-SIK3	S12-63R	Rabbit Polyclonal	WB, ELISA, IF

## Primary Antibodies (continued)

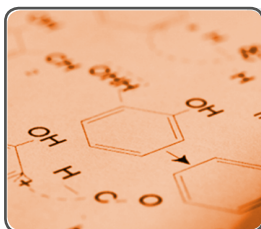
Name	Catalog #	Antibody Description	Application
Anti-SIRT1	S35-463R	Rabbit Polyclonal	WB, ELISA, IF
Anti-SIRT2	S36-463BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-SIRT2	S36-463R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-SIRT3	S37-463R	Rabbit Polyclonal	WB, ELISA
Anti-SIRT4	S38-463R	Rabbit Polyclonal	WB, ELISA
Anti-SIRT5	S39-463R	Rabbit Polyclonal	WB, ELISA
Anti-SIRT6	S40-463R	Rabbit Polyclonal	WB, ELISA
Anti-SIRT7	S41-463R	Rabbit Polyclonal	WB, ELISA
Anti-SMC1	S19-63R	Rabbit Polyclonal	WB
Anti-SNCA	S22-360M	Mouse Monoclonal	WB, IF
Anti-SOX2	S832-361M	Mouse Monoclonal	WB, ELISA, IHC
Anti-Src	S19-63BR	Rabbit Polyclonal	WB, IHC
Anti-STAT1 alpha	S52-63BR	Rabbit Polyclonal	WB, ELISA, ICC, IP
Anti-STAT1 beta	S52-63CR	Rabbit Polyclonal	WB, ELISA
Anti-STAT3	S54-63CR	Rabbit Polyclonal	WB, ELISA
Anti-Stathmin	S71-363R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-Stathmin	S71-363BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-STK39 (STLK3)	S51-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-STK39 (STLK3)	S51-63BR	Rabbit Polyclonal	WB, ELISA, IHC
Anti-SUMO1	S293-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-SUMO2/3	S294-63BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-SUMO3	S295-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-TAB1	T01-363R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-TAK1	M15-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-TBK1	T02-63R	Rabbit Polyclonal	WB, ELISA, ICC
Anti-TET3	T638-63R	Rabbit Polyclonal	WB, ELISA, IF
Anti-TRAF2	T57-363BR	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-TRAF2	T57-363R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-TRAF3	T58-363R	Rabbit Polyclonal	WB, ELISA, IF
Anti-TRAF3	T58-363BR	Rabbit Polyclonal	WB, ELISA, ICC
Anti-Trail	T880-63R	Rabbit Polyclonal	WB, ELISA, IHC
Anti-TRKA	N16-63R	Rabbit Polyclonal	IF
Anti-TSC1	T71-363R	Rabbit Polyclonal	WB, ELISA
Anti-TSC1	T71-363BR	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-TSC2	T72-363R	Rabbit Polyclonal	WB, ELISA
Anti-TSC2	T72-363BR	Rabbit Polyclonal	WB, ELISA
Anti-TTBK1	T18-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-TTBK2	T18-63BR	Rabbit Polyclonal	ELISA, IHC
Anti-Tubulin alpha	T91-63R	Rabbit Polyclonal	WB, ELISA
Anti-Tubulin beta	T92-63R	Rabbit Polyclonal	WB
Anti-TYK2 (JTK1)	T21-63R	Rabbit Polyclonal	WB, ELISA
Anti-Tyrosine Hydroxylase	H492-363R	Rabbit Polyclonal	WB, IF, IHC
Anti-UBA2 (SAE2)	U202-63R	Rabbit Polyclonal	WB, ELISA, ICC, IF
Anti-UBC9	U19-63R	Rabbit Polyclonal	WB
Anti-UBE2N (UBC13)	U231-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-UBE2V1 (UEV1A)	U238-63R	Rabbit Polyclonal	WB, ELISA
Anti-UBLE1A (SAE1)	U208-63R	Rabbit Polyclonal	WB, ELISA
Anti-VASP	V12-63R	Rabbit Polyclonal	WB
Anti-VAV	V14-63R	Rabbit Polyclonal	WB, IP
Anti-Vimentin	V49-362C	Chicken Polyclonal	WB, IF
Anti-VLK	V05-163R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-XIAP	X08-63R	Rabbit Polyclonal	WB, ELISA, IF, IHC
Anti-ZAP70	Z02-61M	Mouse Monoclonal	WB
Anti-ZAP70	Z02-63R	Rabbit Polyclonal	WB, ELISA
Anti-ZIP11	Z45-363R	Rabbit Polyclonal	WB, ELISA, IHC

## Secondary Antibodies

Name	Catalog #	Antibody Description	Application
Anti-Mouse HRP	G32-62G	Goat Polyclonal	WB, ELISA
Anti-Rabbit HRP	G33-62G	Goat Polyclonal	WB, ELISA

## Tag Antibodies

Name	Catalog #	Antibody Description	Application
Anti-DYKDDDDK	F51-61M	Mouse Monoclonal	WB, ELISA, IP, IS
Anti-DYKDDDDK	F51-63R	Rabbit Polyclonal	WB
Anti-GFP	G46-60M	Mouse Monoclonal	WB
Anti-GST	G52-61M	Mouse Monoclonal	WB
Anti-HA	H98-61M	Mouse Monoclonal	WB, ELISA, IP, IS
Anti-HA	H98-63R	Rabbit Polyclonal	WB, ELISA, IP, IS
Anti-HIS	H99-61M	Mouse Monoclonal	WB, ELISA, IP, IS
Anti-HIS	H99-63R	Rabbit Polyclonal	WB, ELISA, IP, IS
Anti-Myc	M86-61M	Mouse Monoclonal	WB, ELISA, IP, IS
Anti-RFP	R46-61M	Mouse Monoclonal	WB
Anti-V5	V05-61M	Mouse Monoclonal	WB, ELISA, IP, IS



## BIOCHEMICAL COMPOUNDS

SignalChem offers integrated solutions to study cell signaling. Our biochemical compounds include siRNAs to knockdown specific protein targets and biochemicals, which are used to activate or inhibit certain signaling molecules.

### Epigenetic Enzyme Activators

Name	Catalog #	CAS #	Application
BML-278	S35-904C	N/F	SIRT1 Activator
CTPB	P07-903	586976-24-1	p300 HAT Activator
Resveratrol	S35-904	501-36-0	Antioxidant/SIRT1 Activator
SirtAct	S35-904E	839699-72-8	SIRT1 Activator

### Epigenetic Enzyme Inhibitors

Name	Catalog #	CAS #	Application
2'-Deoxy-5-fluorocytidine	D353-904D	10356-76-0	Irreversible DNA Methyl Transferase Inhibitor
5-Azacytidine	D353-904	320-67-2	DNA Hypomethylation Agent
AK-7	S36-904	420831-40-9	SIRT2 Inhibitor
APICIDIN	H83-904B	183506-66-3	HDAC Inhibitor
BIX-01294 3HCl	S344-903	935693-62-2	Histone Methyl Transferase Inhibitor
BML-210	H83-904C	537034-17-6	HDAC Inhibitor
C-646	K311-903	328968-36-1	HAT Inhibitor
Chaetocin	K421-904C	28097-03-2	Lys Methyltransferase Inhibitor
CPTH2	K311-903B	357649-93-5	HAT Inhibitor
CUDC-101	H83-904	1012054-59-9	Dual HDAC & EGFR Inhibitor
Daminozide	K421-904B	1596-84-5	KDM2/7 Demethylase Inhibitor
Decitabine	D353-904B	2353-33-5	DNA Methyl Transferase Inhibitor
DMOG	J48-904	89464-63-1	Inhibits Jumonji C Domain Containing Proteins
Garcinol	K311-903C	78824-30-3	HAT Inhibitor
GSK-J1 (Free acid)	J48-904B	1373422-53-7	JMJ H3K27 Demethylase Inhibitor (Cell Imperm)
GSK-J4 (ethylester)	J48-904C	1373423-53-0	JMJ H3K27 Demethylase Inhibitor (Cell Perm)

## Epigenetic Enzyme Inhibitors (continued)

Name	Catalog #	CAS #	Application
HPA (HEXYL-4-PENTYNOIC ACID)	H83-904D	96017-59-3	Kinase Inhibitor
IOX1 (8H5QCA)	J48-904D	5852-78-8	JMJD Demethylase Inhibitor
ML-324	J48-904E	1222800-79-4	JMJD2 Inhibitor
MS-275 (Entinostat)	H83-904E	209783-80-2	HDAC Inhibitor
Panobinostat	H83-904G	404950-80-7	HDAC Inhibitor
Phenylbutyrate NA	H83-904H	1716-12-7	HDAC Inhibitor
RG-108	D353-904C	48208-26-0	DNA Methyltransferase Inhibitor
Romidepsin (FK228)	H83-904I	128517-07-7	HDAC Inhibitor
Sirtinol	S35-904B	410536-97-9	SIRT Inhibitor
Splitomicin	S35-904G	5690-03-09	SIRT1 Inhibitor
TC-E 5003	P3695-903	17328-16-4	Arg Methyl Transferase 1 (PRMT1) Inhibitor
Tranlycypromine	K421-904	13492-01-8	Demethylase Inhibitor
Trichostatin A	H83-904J	58880-19-6	HDAC Inhibitor
Tubastatin A · HCL	H83-904K	1239262-52-2	HDAC Inhibitor
UNC1999	D353-904E	1431612-23-5	Methyltransferase Inhibitor
Valproate NA	H83-904L	1069-66-5	HDAC Inhibitor
Vorinostat (SAHA)	H83-904M	149647-78-9	HDAC Inhibitor

## Kinase Activators

Name	Catalog #	CAS #	Application
8-pCPT-2-O-Me-cAMP-AM	R46-905	1152197-23-3	Epac Pathway, RAP1 Pathway Activator
AICAR	P47-900B	2627-69-2	AMPK Activator

## Kinase Inhibitors

Name	Catalog #	CAS #	Application
6BIO	G08-900	667463-62-9	GSK3 Inhibitor
A83-01	A09-900	909910-43-6	ALK Inhibitor
AAL-993	F11-900C	269390-77-4	VEGF Inhibitor
AG-1296	P12-900	146535-11-7	PDGFR Inhibitor
AG-1478	E10-900B	175178-82-2	EGFR Inhibitor
AG-1517	K11-900B	153436-54-5	Tyrosine Kinase Inhibitor
AG-490	J02-901	133550-30-8	JAK2 Inhibitor
AG-879	N28-909B	148741-30-4	NGFR Inhibitor
Alsterpaullone	G09-901C	237430-03-4	GSK3 beta and CDK5/p25 Inhibitor.
Apigenin	K10-900C	520-36-5	Kinase Inhibitor (pan)
AR-A014418	G09-901	487021-52-3	GSK3 beta Inhibitor
AS-041164	P29-901	6318-41-8	PI3K gamma Inhibitor
BAY 11-7082	C51-900	19542-67-7	IKK Inhibitor
BML-259	C33-901	267654-00-2	CDK5/p25 Inhibitor
BML-277	C48-901	516480-79-8	CHK2 Inhibitor
CHIR-99021	G09-901B	252917-06-9	GSK3 beta Inhibitor
CID-2011756	P72-901	638156-11-3	PKD1 Inhibitor
CZC-54252 HCl	L10-901	1199911-27-9	LRRK2 Inhibitor
Dasatinib	S19-901B	302962-49-8	SRC & BCR/ABL Inhibitor
Deguelin	A16-900B	522-17-8	AKT Inhibitor
Dimethylsphingosine	S17-900	119567-63-4	Sphingosine Kinase Inhibitor
DMPQ 2 HCl	P13-901	137206-97-4	PDGFR beta Inhibitor
Doramapimod	M39-900	285983-48-4	p38 MAP Kinase Inhibitor
Dorsomorphin	P47-900	866405-64-3	AMPK Inhibitor
Erlotinib HCl	E10-900C	183319-69-9	EGFR Kinase Inhibitor
Fasudil HCl	R10-900	105628-07-7	ROCK Inhibitor
Gefitinib	E10-900	184475-35-2	EGFR Inhibitor
Genistein	K11-900	446-72-0	Tyrosine Kinase Inhibitor (pan)

## Kinase Inhibitors (continued)

Name	Catalog #	CAS #	Application
GF-109203X	P61-900	133052-90-1	PKC Inhibitor
GSK-690693 HCl	A16-900	937174-76-0	AKT Inhibitor
GW-441756	N28-909	504433-23-2	NGFR Inhibitor
GW-5074	R01-901B	220904-83-6	c-Raf1 Inhibitor
GW2580	C74-901	870483-87-7	cFMS Kinase Inhibitor
H-89 2HCl	P51-900B	127243-85-0	PKA Inhibitor
Hypericin	P61-900C	548-04-9	PKC Inhibitor
Imatinib Mesylate	A03-901B	220127-57-1	BCR-ABL Inhibitor
JX-401	M39-901	349087-34-9	p38a MAP Kinase Inhibitor
K252A	K10-900D	99533-80-9	Kinase Inhibitor (pan)
K252B	K10-900E	99570-78-2	Kinase Inhibitor (pan)
KT-5823	P78-900	126643-37-6	PKG Inhibitor
KT5720	P51-900	108068-98-0	PKA Inhibitor
Lapatinib	E10-900D	231277-92-2	EGFR Kinase Inhibitor
Lestaurtinib	F12-901	111358-88-4	FLT3/TRKA Inhibitor
LFM-A13	B10-901	62004-35-7	BTK Inhibitor
LY-294002	P27-900C	154447-36-6	PI3K Inhibitor
LYS6K2	R15-900	N/F	S6K Inhibitor
MLS-573151	C08-909	N/F	CDC42 Inhibitor
Necrostatin-1	R07-901	4311-88-0	RIP1 Kinase Inhibitor
Nilotinib	A03-901	641571-10-0	BCR/ABL Inhibitor
NPC-15437	P61-900B	141774-20-1	PKC Inhibitor
NVP-BEZ235	F17-900	915019-65-7	PI3K and mTOR Inhibitor
PD-98059	M02-900	167869-21-8	MEK Inhibitor
Piceatannol	I01-901	10083-24-6	p56 LCK and SYK Inhibitor
Picropodophyllotoxin	I02-901	477-47-4	IGF1R Inhibitor
PKC-412	K10-900B	120685-11-2	Kinase Inhibitor (pan)
PP1	S19-900	172889-26-8	SRC Family Kinase Inhibitor
PP2	S19-900B	172889-27-9	SRC Family Kinase Inhibitor
PX-866	P27-900	502632-66-8	PI3K Inhibitor
Rapamycin	F17-901	53123-88-9	mTOR Inhibitor
Roscovitine	C22-901	186692-46-6	p34/CDC2 Inhibitor
SB-202190	M39-900B	152121-30-7	p38 MAP Kinase Inhibitor
SB-203580	M39-900C	152121-47-6	p38 MAP Kinase Inhibitor
SC-514	I03-901	354812-17-2	IKK2 Inhibitor
Sorafenib	R01-900	284461-73-0	RAF1 Kinase Inhibitor (and others)
SP-600125	M33-900	129-56-6	JNK Inhibitor
Src I1	S19-901	179248-59-0	SRC Kinase Inhibitor
Staurosporine	K10-900	62996-74-1	Kinase Inhibitor (pan)
STO-609	C17-900	52029-86-4	CAMKK Inhibitor
SU-1498	F11-900E	5812-07-7	VEGFRK Inhibitor
SU-4312	F11-900F	5812-07-07	VEGFR, PDGFR Inhibitor
Sunitinib malate	F11-900G	341031-54-7	VEGFR, PDGFR Inhibitor
U-0126	M02-901	109511-58-2	MEK1/2 Inhibitor
Vandetanib	F11-900	443913-73-3	VEGFRK Inhibitor
Vatalanib 2HCl	F11-900D	212141-51-0	VEGFRK Inhibitor
WHI-P131	J03-901	202475-60-3	JAK3 Inhibitor
Wortmannin	P27-900B	19545-26-7	PI3K Inhibitor
Y-27632 2HCl	R10-900B	129830-38-2	ROCK Inhibitor
ZM-306416	F11-900B	690206-97-4	VEGFR Inhibitor
ZM-336372	R01-901	331771-20-1	c-Raf Inhibitor
ZM-447439	A31-901	331771-20-1	Aurora B Kinase Inhibitor



## Phosphatase Inhibitors

Name	Catalog #	CAS #	Application
Cantharidin	P16-902C	56-25-7	Phosphatase PP2A Inhibitor
EX-527	S35-904F	49843-98-3	SIRT1 Inhibitor
NSC-663284	C04-902	383907-43-5	CDC25 Phosphatase Inhibitor
Okadaic acid, free acid	P16-902	78111-17-8	PP2A and PP1 Inhibitor

## siRNA Controls

Name	Catalog #	Name	Catalog #
beta-Actin Positive Control siRNA	A03-911D	GAPDH Positive Control siRNA	G13-911B
Cy3 Labeled Negative Control siRNA	S02-910N	Unlabeled Negative Control siRNA	S01-910N
FAM Labeled Negative Control siRNA	S03-910N		

## siRNA Sets

Name	Catalog #	Name	Catalog #
14-3-3 alpha/beta siRNA Set I	Y71-911	APC8 siRNA Set I	A94-911
14-3-3 epsilon siRNA Set I	Y75-911	APC10 siRNA Set I	A95-911
14-3-3 sigma siRNA Set I	Y86-911	APC11 siRNA Set I	A96-911
14-3-3 theta siRNA Set I	Y84-911	APC13 siRNA Set I	A97-911
14-3-3 zeta siRNA Set I	Y92-911	ARAF siRNA Set I	A24-911
4EBP1 siRNA Set I	E35-911	ASK1 siRNA Set I	M13-911
AATK siRNA Set I	A02-911	ATF1 siRNA Set I	A09-911B
ABL1 siRNA Set I	A03-911	ATF2 siRNA Set I	A10-911
ABL2 siRNA Set I	A04-911	ATG13 siRNA Set I	A113-911
ACK siRNA Set I	A05-911	AURORA A siRNA Set I	A28-911
ACVR2A siRNA Set I	A35-911	AURORA B siRNA Set I	A31-911
ACVR2B siRNA Set I	A36-911	AURORA C siRNA Set I	A33-911
ADD1 siRNA Set I	A38-911	AXL siRNA Set I	A34-911
AFX siRNA Set I	A42-911	BAD siRNA Set I	B03-911
AKT1/PKB alpha siRNA Set I	A16-911	BAG1 siRNA Set I	B05-911B
AKT2/PKB beta siRNA Set I	A17-911	BAX siRNA Set I	B14-911
AKT3 siRNA Set I	A18-911	BCKDK siRNA Set I	B15-911
ALK1 siRNA Set I	A09-911	BCL2 siRNA Set I	B25-911
ALK2 siRNA Set I	A06-911	BCL2L1 siRNA Set I	B26-911
ALK3 (BMPR1A) siRNA Set I	B04-911	BCR siRNA Set I	B01-911
ALK6 (BMPR1B) siRNA Set I	B05-911	beta-Actin siRNA Set I	A03-911C
ALK7 siRNA Set I	A08-911	BID siRNA Set I	B59-911
alpha 1-Actin siRNA Set I	A03-911B	BIRC3 siRNA Set I	B280-911
AMPK A1 siRNA Set I	P47-911	BLK siRNA Set I	B02-911
AMPK A2 siRNA Set I	P48-911	BMP-2 siRNA Set I	B851-911
AMPK B1 siRNA Set I	P49-911	BMP-4 siRNA Set I	B853-911
AMPK B2 siRNA Set I	P50-911	BMP2K siRNA Set I	B03-911B
AMPK G1 siRNA Set I	P51-911B	BMPR2 siRNA Set I	B06-911
AMPK G2 siRNA Set I	P52-911C	BMX siRNA Set I	B07-911
AMPK G3 siRNA Set I	P53-911C	BOK siRNA Set I	B70-911
Amyloid beta 42 siRNA Set I	A06-911B	BRAF siRNA Set I	B08-911
Annexin 5 siRNA Set I	A61-911	BRCA1 siRNA Set I	B87-911
APBA1 siRNA Set I	A86-911	BRK siRNA Set I	P94-911
APC1 siRNA Set I	A87-911	BRSK1 siRNA Set I	B13-911
APC2 siRNA Set I	A88-911	BRSK2 siRNA Set I	B14-911B
APC3 siRNA Set I	A89-911	BTK siRNA Set I	B10-911
APC4 siRNA Set I	A90-911	BUB1 siRNA Set I	B11-911
APC5 siRNA Set I	A91-911	BUB1B siRNA Set I	B12-911
APC6 siRNA Set I	A92-911	c-Jun siRNA Set I	J05-911
APC7 siRNA Set I	A93-911	c-KIT siRNA Set I	K06-911

## siRNA Sets (continued)

Name	Catalog #
c-MER siRNA Set I	M51-911
Calmodulin1 siRNA Set I	C01-911
CAMK1 beta siRNA Set I	C08-911
CAMK1 delta siRNA Set I	C09-911
CAMK1 gamma siRNA Set I	C10-911
CAMK1 siRNA Set I	C07-911
CAMK2 alpha siRNA Set I	C11-911
CAMK2 beta siRNA Set I	C12-911
CAMK2 delta siRNA Set I	C13-911
CAMK2 gamma siRNA Set I	C14-911
CAMK4 siRNA Set I	C15-911
CAMKK1 siRNA Set I	C17-911
CAMKK2 siRNA Set I	C18-911
CaMKPase siRNA Set I	P06-911
CASK siRNA Set I	C19-911
CASKIN1 siRNA Set I	C13-911B
Catenin alpha siRNA Set I	C05-911
Catenin beta siRNA Set I	C06-911
CBP siRNA Set I	C07-911B
CD5L (CT-2) siRNA Set I	C61-911
CDC25A siRNA Set I	C04-911
CDC25B siRNA Set I	C04-911B
CDC25C siRNA Set I	C04-911C
CDC42 siRNA Set I	C08-911B
CDC7 siRNA Set I	C26-911
CDK1 siRNA Set I	C22-911
CDK2 siRNA Set I	C29-911
CDK3 siRNA Set I	C30-911
CDK4 siRNA Set I	C31-911
CDK5 siRNA Set I	C33-911
CDK5P35 siRNA Set I	C34-911
CDK6 siRNA Set I	C35-911
CDK7 siRNA Set I	C36-911
CDK8 siRNA Set I	C38-911
CDK9 siRNA Set I	C40-911
CDKL1 siRNA Set I	C43-911
CDK11 siRNA Set I	C42-911
CDK11B (CDC2L1) siRNA Set I	C23-911
CDKL2 siRNA Set I	C44-911
CDKL3 siRNA Set I	C45-911
CDKL4 siRNA Set I	C69-911
CDKN3 siRNA Set I	C01-911B
CHK1 siRNA Set I	C47-911
CHK2 siRNA Set I	C48-911
CK1 alpha 1 siRNA Set I	C64-911
CK1 delta siRNA Set I	C65-911
CK1 epsilon siRNA Set I	C66-911
CK1 gamma 1 siRNA Set I	C68-911
CK1 gamma 2 siRNA Set I	C68-911B
CK1 gamma 3 siRNA Set I	C68-911C
CK2 alpha 1 siRNA Set I	C70-911
CK2 alpha 2 siRNA Set I	C71-911
CLK1 siRNA Set I	C57-911
CLK2 siRNA Set I	C58-911
CLK3 siRNA Set I	C60-911
Cofilin 1 siRNA Set I	C37-911

Name	Catalog #
COT siRNA Set I	M16-911
CREB1 siRNA Set I	C49-911
CRKL siRNA Set I	C53-911
CRYAA siRNA Set I	C256-911
CSK siRNA Set I	C63-911
CyclinA2 siRNA Set I	C78-911
CyclinC siRNA Set I	C80-911
CyclinD1 siRNA Set I	C81-911
CyclinE1 siRNA Set I	C82-911
CyclinH siRNA Set I	C83-911
CyclinK siRNA Set I	C84-911
CyclinO siRNA Set I	C85-911
CyclinT1 siRNA Set I	C86-911
CyclinY siRNA Set I	C87-911
DAPK1 siRNA Set I	D01-911
DAPK2 siRNA Set I	D02-911
DAPK3 siRNA Set I	D03-911
DCAMKL1 siRNA Set I	D14-911
DCAMKL2 siRNA Set I	D15-911
DCAMKL3 siRNA Set I	D16-911
DDR1 siRNA Set I	D05-911
DDR2 siRNA Set I	D06-911
DLK siRNA Set I	M20-911
DNMT1 siRNA Set I	D351-911
DNMT3A siRNA Set I	D353-911
DNMT3B siRNA Set I	D353-911B
DNMT3L siRNA Set I	D353-911C
DOK1 siRNA Set I	D42-911
DRAK1 (STK17A) siRNA Set I	S33-911
DRAK2 (STK17B) siRNA Set I	S34-911
DUSP22 siRNA Set I	D22-911
DYRK1A siRNA Set I	D09-911
DYRK2 siRNA Set I	D10-911
DYRK3 siRNA Set I	D11-911
EEF2K siRNA Set I	E01-911
EGFR siRNA Set I	E10-911
EHMT2 siRNA Set I	E318-911
EIF2AK1 (HRI) siRNA Set I	H07-911
EIF2AK2 siRNA Set I	P80-911
EIF2AK3 siRNA Set I	E11-911
EIF2AK4 siRNA Set I	E12-911
EIF2S1 siRNA Set I	E23-911
EIF4E siRNA Set I	E34-911
ELK1 siRNA Set I	E64-911
ENPP2 siRNA Set I	E22-911
EPHA1 siRNA Set I	E13-911
EPHA2 siRNA Set I	E14-911
EPHA3 siRNA Set I	E15-911
EPHA4 siRNA Set I	E16-911
EPHA6 siRNA Set I	E18-911
EPHA7 siRNA Set I	E19-911
EPHA8 siRNA Set I	E20-911
EPHB1 siRNA Set I	E21-911
EPHB2 siRNA Set I	E22-911B
EPHB3 siRNA Set I	E23-911B
EPHB4 siRNA Set I	E24-911

## siRNA Sets (continued)

Name	Catalog #
ERK1 siRNA Set I	M29-911
ERK2 siRNA Set I	M28-911
ERK5 siRNA Set I	M32-911
EZH1 siRNA Set I	E95-911
EZH2 siRNA Set I	E96-911
FADD siRNA Set I	F02-911
FAK siRNA Set I	P91-911
FANCL siRNA Set I	F289-911
FASTK siRNA Set I	F01-911
FER siRNA Set I	F16-911
FES siRNA Set I	F03-911
FGF4 siRNA Set I	F824-911
FGFR1 siRNA Set I	F04-911
FGFR2 siRNA Set I	F05-911
FGFR3 siRNA Set I	F06-911
FGFR4 siRNA Set I	F07-911
FGR siRNA Set I	F10-911
FKBP1A siRNA Set I	F37-911
FLT1 siRNA Set I	F11-911
FLT3 siRNA Set I	F12-911
FLT4 siRNA Set I	F13-911
FMS siRNA Set I	C74-911
FOS siRNA Set I	F66-911
FOXO1 siRNA Set I	F19-911
FRK siRNA Set I	F14-911
FRS3 siRNA Set I	F80-911
FYN A siRNA Set I	F15-911
FYN C siRNA Set I	F15-911B
GAB1 siRNA Set I	G03-911
GAPDH siRNA Set I	G13-911
GATA1 siRNA Set I	G19-911
GCK siRNA Set I	M24-911
GLK siRNA Set I	M25-911
GRB2 siRNA Set I	G45-911
GRB7 siRNA Set I	G45-911B
GRK1 siRNA Set I	R03-911
GRK2 siRNA Set I	A14-911
GRK3 siRNA Set I	A15-911
GRK5 siRNA Set I	G03-911B
GRK6 siRNA Set I	G04-911
GRK7 siRNA Set I	G05-911
GSK3 alpha siRNA Set I	G08-911
GSK3 beta siRNA Set I	G09-911
Haspin (GSG2) siRNA Set I	G10-911
HCK siRNA Set I	H02-911
HDAC1 siRNA Set I	H83-911
HDAC2 siRNA Set I	H84-911
HDAC3 siRNA Set I	H85-911
HDAC4 siRNA Set I	H86-911
HDAC5 siRNA Set I	H87-911
HDAC6 siRNA Set I	H88-911
HDAC7 siRNA Set I	H89-911
HDAC8 siRNA Set I	H90-911
HDAC9 siRNA Set I	H91-911
HDAC10 siRNA Set I	H92-911
HDAC11 siRNA Set I	H93-911

Name	Catalog #
HER2 siRNA Set I	E27-911
HER4 siRNA Set I	E29-911
HERC4 siRNA Set I	H265-911
HGK siRNA Set I	M26-911
HIPK1 siRNA Set I	H03-911
HIPK2 siRNA Set I	H04-911
HIPK3 siRNA Set I	H05-911
HIPK4 siRNA Set I	H06-911
Histone H1 siRNA Set I	H10-911
Histone H3 siRNA Set I	H12-911
HO1 siRNA Set I	H20-911
HO2 siRNA Set I	H21-911
HPK1 siRNA Set I	M23-911
HRAS1 siRNA Set I	R05-911
HSD17B10 siRNA Set I	H23-911
HSF1 siRNA Set I	H25-911
HSP10 siRNA Set I	H29-911
HSP27 siRNA Set I	H30-911
HSP40 siRNA Set I	H32-911
HSP60 siRNA Set I	H33-911
HSP70 siRNA Set I	H34-911
HSP90 alpha siRNA Set I	H36-911
ICK siRNA Set I	I01-911
IFN gamma siRNA Set I	I837-911
IGF1R siRNA Set I	I02-911
IkB alpha siRNA Set I	I20-911
IkB beta siRNA Set I	I21-911
IKK alpha siRNA Set I	C51-911
IKK beta siRNA Set I	I03-911
IKK epsilon siRNA Set I	I04-911
IKK gamma siRNA Set I	I25-911
IL-18 siRNA Set I	I878-911
IL-2 siRNA Set I	I862-911
IL-8 (72AA) siRNA Set I	I868-911
INCENP siRNA Set I	I30-911
InsR siRNA Set I	I08-911
IP-10 siRNA Set I	I838-911
IRAK1 siRNA Set I	I09-911
IRAK2 siRNA Set I	I10-911
IRAK3 siRNA Set I	I11-911
IRAK4 siRNA Set I	I12-911
IRR siRNA Set I	I07-911
IRS1 siRNA Set I	I40-911
ITK siRNA Set I	I13-911
JAK2 siRNA Set I	J02-911
JAK3 siRNA Set I	J03-911
JMJD1C siRNA Set I	J48-911
JNK1 siRNA Set I	M33-911
JNK2 siRNA Set I	M34-911
JNK3 siRNA Set I	M35-911
KAT2A (GCN5) siRNA Set I	K311-911
KAT2B (PCAF) siRNA Set I	K311-911B
KAT3B (EP300) siRNA Set I	K312-911B
KAT4 siRNA Set I	K313-911
KAT5 (TIP60) siRNA Set I	K314-911
KAT6B (MYST4) siRNA Set I	K315-911

## siRNA Sets (continued)

Name	Catalog #
KAT7 (MYST2) siRNA Set I	K316-911
KAT8 (MYST1) siRNA Set I	K317-911
KAT9 (ELP3) siRNA Set I	K318-911
KDM1A siRNA Set I	K421-911
KDM2A siRNA Set I	K422-911
KDM3A siRNA Set I	K423-911
KDM3B siRNA Set I	K423-911B
KDM4A siRNA Set I	K424-911
KDM4B siRNA Set I	K424-911B
KDM4C siRNA Set I	K424-911C
KDM5B siRNA Set I	K425-911
KDM5C siRNA Set I	K425-911B
KDM6B siRNA Set I	K426-911
KDM8 siRNA Set I	K428-911
KDR siRNA Set I	K01-911
KHS1 siRNA Set I	M27-911
KSR1 siRNA Set I	K07-911
LATS1 siRNA Set I	L01-911
LATS2 siRNA Set I	L02-911
LC20 siRNA Set I	M89-911
LCK siRNA Set I	L03-911
Leptin siRNA Set I	L833-911
LIMK1 siRNA Set I	L04-911
LKB1 (STK11) siRNA Set I	L15-911
LMTK3 siRNA Set I	L08-911
LOK siRNA Set I	S29-911
LOXL1 siRNA Set I	L261-911
LOXL2 siRNA Set I	L262-911
LOXL3 siRNA Set I	L263-911
LRRK2 siRNA Set I	L10-911
LTK siRNA Set I	L11-911
LYN A siRNA Set I	L13-911
LYN B siRNA Set I	L13-911B
MAPKAPK2 siRNA Set I	M40-911
MAPKAPK3 siRNA Set I	M41-911
MAPKAPK5 siRNA Set I	M42-911
MARCKS siRNA Set I	M02-911
MARK1 siRNA Set I	M43-911
MARK2 siRNA Set I	M44-911
MARK3 siRNA Set I	M45-911
MARK4 siRNA Set I	M46-911
MDM2 siRNA Set I	M45-911B
MDM4 siRNA Set I	M47-911
MEK1 siRNA Set I	M02-911B
MEK2 siRNA Set I	M03-911
MEK1 siRNA Set I	M09-911
MEK2 siRNA Set I	M10-911
MEK3 siRNA Set I	M11-911
MEK6 siRNA Set I	M14-911
MELK siRNA Set I	M50-911
MET siRNA Set I	M52-911
MGMT siRNA Set I	M354-911
MGRN1 siRNA Set I	M287-911
MINK1 siRNA Set I	M53-911
MLCK siRNA Set I	M62-911
MLK1 siRNA Set I	M17-911

Name	Catalog #
MLK2 siRNA Set I	M18-911
MLK3 siRNA Set I	M19-911
MLK4 siRNA Set I	M48-911
MNK1 siRNA Set I	M54-911
MNK2 siRNA Set I	M55-911
MO25 alpha siRNA Set I	M51-911B
Moesin siRNA Set I	M52-911B
Mortalin siRNA Set I	M54-911B
MOS siRNA Set I	M57-911
MRCK alpha siRNA Set I	C27-911
MRCK beta siRNA Set I	C28-911
MSK1 siRNA Set I	R19-911
MSK2 siRNA Set I	R18-911
MSSK1 siRNA Set I	S41-911
MST1 siRNA Set I	S25-911
MST3 siRNA Set I	S42-911
MST4 siRNA Set I	M59-911
mTOR siRNA Set I	F17-911
MUSK siRNA Set I	M60-911
MYLK2 siRNA Set I	M63-911
MYLK3 siRNA Set I	M64-911
MYO3 beta siRNA Set I	M66-911
MYT1 siRNA Set I	M67-911
N6AMT2 siRNA Set I	N355-911
NCK siRNA Set I	N06-911
NDR siRNA Set I	S49-911
NDR2 siRNA Set I	S50-911
NEK1 siRNA Set I	N02-911
NEK2 siRNA Set I	N03-911
NEK3 siRNA Set I	N05-911
NEK5 siRNA Set I	N07-911
NEK6 siRNA Set I	N08-911
NEK7 siRNA Set I	N09-911
NEK9 siRNA Set I	N11-911
NEK11 siRNA Set I	N13-911
NFATC1 siRNA Set I	N12-911
NFKB2 siRNA Set I	N13-911B
NIK siRNA Set I	M22-911
NIM1 siRNA Set I	N14-911
NLK siRNA Set I	N15-911
NUAK1 siRNA Set I	N19-911
NUAK2 siRNA Set I	N20-911
OPG siRNA Set I	O878-911
OSR1 siRNA Set I	O09-911
p16INK4A siRNA Set I	C30-911B
p18INK4C siRNA Set I	C32-911
p19INK4D siRNA Set I	C33-911B
p21CIP1 siRNA Set I	C27-911B
p27KIP1 siRNA Set I	C28-911B
p33ING1 siRNA Set I	I32-911
p33ING2 siRNA Set I	I32-911B
p38 alpha siRNA Set I	M39-911
p38 beta siRNA Set I	M36-911
p38 delta siRNA Set I	M38-911
p38 gamma siRNA Set I	M37-911
p53 siRNA Set I	P05-911

## siRNA Sets (continued)

Name	Catalog #
p57KIP2 siRNA Set I	C29-911B
p63 siRNA Set I	P06-911B
p70S6K siRNA Set I	R21-911
p70S6Kb siRNA Set I	R22-911
p70S6Kl1 siRNA Set I	R25-911
p73 alpha siRNA Set I	P08-911
p73 beta siRNA Set I	P08-911B
p73 gamma siRNA Set I	P08-911C
PAD1 siRNA Set I	P312-911
PAD2 siRNA Set I	P312-911B
PAD3 siRNA Set I	P312-911C
PAD4 siRNA Set I	P312-911D
PAD6 siRNA Set I	P312-911E
PAK1 siRNA Set I	P02-911
PAK2 siRNA Set I	P03-911
PAK3 siRNA Set I	P04-911
PAK4 siRNA Set I	P05-911B
PAK6 siRNA Set I	P06-911C
PAK7 siRNA Set I	P07-911B
PARK7 (DJ-1) siRNA Set I	P219-911
Parkin siRNA Set I	P215-911
PASK siRNA Set I	P08-911D
PCNA siRNA Set I	P11-911
PCTK1 siRNA Set I	P09-911B
PCTK3 siRNA Set I	P11-911B
PDE1A siRNA Set I	P89-911
PDE1B siRNA Set I	P89-911B
PDE1C siRNA Set I	P89-911C
PDE2A siRNA Set I	P90-911
PDE3A siRNA Set I	P91-911B
PDE3B siRNA Set I	P91-911C
PDE4A siRNA Set I	P92-911
PDE4B siRNA Set I	P92-911B
PDE4C siRNA Set I	P92-911C
PDE4D siRNA Set I	P92-911D
PDE5A siRNA Set I	P93-911
PDE6A siRNA Set I	P94-911B
PDE6B siRNA Set I	P94-911C
PDE6C siRNA Set I	P94-911D
PDE7A siRNA Set I	P95-911
PDE7B siRNA Set I	P95-911B
PDE8A siRNA Set I	P96-911
PDE8B siRNA Set I	P96-911B
PDE9A siRNA Set I	P97-911
PDGF siRNA Set I	P841-911
PDE10A siRNA Set I	P98-911
PDE12 siRNA Set I	P100-911
PDGFR alpha siRNA Set I	P12-911
PDGFR beta siRNA Set I	P13-911
PDHA1 siRNA Set I	P57-911
PDHK1 siRNA Set I	P57-911B
PDHK2 siRNA Set I	P58-911
PDHK3 siRNA Set I	P59-911
PDHK4 siRNA Set I	P60-911
PDK1 siRNA Set I	P14-911
PEAK1 siRNA Set I	P18-911

Name	Catalog #
PFKFB1 siRNA Set I	P321-911
PFKFB3 siRNA Set I	P323-911
PFKFB4 siRNA Set I	P324-911
PFTK1 (CDK14) siRNA Set I	P15-911
PHKG1 siRNA Set I	P19-911
PHKG2 siRNA Set I	P20-911
PHLPP2 siRNA Set I	P72-911
PI3K (p110 alpha) siRNA Set I	P27-911
PI3K (p110 beta) siRNA Set I	P28-911
PI3K (p110 delta) siRNA Set I	P30-911
PI3K (p120 gamma) siRNA Set I	P29-911B
PI3K (p55 gamma) siRNA Set I	P31-911B
PI3K (p85 alpha) siRNA Set I	P31-911C
PI3K (p85 beta) siRNA Set I	P31-911D
PI4K2A siRNA Set I	P21-911
PI4K2B siRNA Set I	P22-911B
PI4KA siRNA Set I	P31-911
PI4KB siRNA Set I	P32-911
PIAS1 siRNA Set I	P280-911
PIAS2 siRNA Set I	P281-911
PIAS3 siRNA Set I	P282-911
PIAS4 siRNA Set I	P283-911
PIK3C2A siRNA Set I	P23-911
PIK3C2B siRNA Set I	P24-911
PIK3C2G siRNA Set I	P25-911
PIK3C3 (Vps34) siRNA Set I	P26-911
PIM1 siRNA Set I	P35-911
PIM2 siRNA Set I	P36-911
PIM3 siRNA Set I	P37-911
PIP4K2A siRNA Set I	P76-911
PIP4K2B siRNA Set I	P76-911B
PIP4K2C siRNA Set I	P76-911C
PIP5K1A siRNA Set I	P16-911
PIP5K1B siRNA Set I	P16-911B
PIP5K1C siRNA Set I	P16-911C
PIP5K3 siRNA Set I	P17-911
PKAc alpha siRNA Set I	P51-911
PKAc beta siRNA Set I	P52-911
PKAc gamma siRNA Set I	P53-911
PKC alpha siRNA Set I	P61-911
PKC beta I siRNA Set I	P62-911
PKC beta II siRNA Set I	P63-911
PKC delta siRNA Set I	P64-911
PKC epsilon siRNA Set I	P65-911
PKC eta siRNA Set I	P67-911
PKC gamma siRNA Set I	P66-911
PKC iota siRNA Set I	P68-911
PKC mu siRNA Set I	P72-911B
PKC nu siRNA Set I	P73-911
PKC theta siRNA Set I	P74-911
PKC zeta siRNA Set I	P75-911
PKD2 siRNA Set I	P76-911D
PKN2/PRK2 siRNA Set I	P71-911B
PKN3/PRK3 siRNA Set I	P69-911
PLAC1 siRNA Set I	P38-911
PLAC2 siRNA Set I	P38-911B

## siRNA Sets (continued)

Name	Catalog #
PLAC3 siRNA Set I	P38-911C
PLAC4 siRNA Set I	P38-911D
PLC gamma 1 siRNA Set I	P40-911
PLK1 siRNA Set I	P41-911
PLK2 siRNA Set I	P42-911
PLK3 siRNA Set I	P43-911
PLK4 siRNA Set I	P44-911
POR siRNA Set I	P242-911
PP1A siRNA Set I	P13-911B
PP1B siRNA Set I	P14-911B
PP2A alpha siRNA Set I	P16-911D
PP2A beta siRNA Set I	P17-911B
PP2B siRNA Set I	P18-911B
PP2C alpha siRNA Set I	P02-911B
PP2C gamma siRNA Set I	P07-911C
PRKAR1A siRNA Set I	P57-911C
PRKAR1B siRNA Set I	P59-911B
PRKG1 siRNA Set I	P78-911
PRKG2 siRNA Set I	P79-911
PRKX siRNA Set I	P81-911
PRKY siRNA Set I	P82-911
PRMT1 siRNA Set I	P365-911
PRMT3 siRNA Set I	P365-911B
PRMT5 siRNA Set I	P365-911C
PRPF19 siRNA Set I	P270-911
PSKH1 siRNA Set I	P89-911D
PTEN siRNA Set I	P23-911B
PTK7 siRNA Set I	P95-911C
PTK9 siRNA Set I	P97-911B
PTPN1 siRNA Set I	P28-911C
PTPN2 siRNA Set I	P29-911
PTPN6 siRNA Set I	P33-911
PTPN7 siRNA Set I	P34-911
PTPN11 siRNA Set I	P38-911E
PTPN12 siRNA Set I	P39-911
PTPN13 siRNA Set I	P40-911B
PTPRA siRNA Set I	P48-911C
PTPRC (CD45) siRNA Set I	P50-911B
PTPRE siRNA Set I	P52-911B
PTPRF siRNA Set I	P53-911B
PTPRM siRNA Set I	P58-911B
PTPRS siRNA Set I	P64-911B
PYK2 siRNA Set I	P92-911E
QIK siRNA Set I	S15-911
RAC1 siRNA Set I	R03-911B
RAC2 siRNA Set I	R04-911
RAC3 siRNA Set I	R02-911
RAF1 (EE) siRNA Set I	R01-911
RANTES (CCL5) siRNA Set I	R801-911
Raptor siRNA Set I	R47-911
RAS siRNA Set I	R05-911B
Rb siRNA Set I	R05-911C
REL A siRNA Set I	R29-911
REL B siRNA Set I	R30-911
RET siRNA Set I	R02-911B
RGS1 siRNA Set I	R39-911

Name	Catalog #
RHEB siRNA Set I	R42-911
RhoA siRNA Set I	R44-911
RhoC siRNA Set I	R44-911B
RhoD siRNA Set I	R44-911C
RIPK1 siRNA Set I	R07-911
RIPK2 siRNA Set I	R08-911
RIPK3 siRNA Set I	R09-911
RIPK5 siRNA Set I	R27-911
ROCK1 siRNA Set I	R10-911
ROCK2 siRNA Set I	R11-911
RON siRNA Set I	M58-911
ROR1 siRNA Set I	R12-911
ROR2 siRNA Set I	R13-911
ROS1 siRNA Set I	R14-911
RSK1 siRNA Set I	R15-911
RSK2 siRNA Set I	R17-911
RSK3 siRNA Set I	R16-911
RSK4 siRNA Set I	R20-911
RYK siRNA Set I	R28-911
SCYL1 siRNA Set I	S04-911
SCYL3 siRNA Set I	S09-911
SDF-1 siRNA Set I	S821-911
SETD7 siRNA Set I	S344-911
SETD8 siRNA Set I	S345-911
SETDB2 siRNA Set I	S346-911
SETMAR siRNA Set I	S347-911
SGK1 siRNA Set I	S06-911
SGK2 siRNA Set I	S07-911
SGK3 siRNA Set I	S08-911
SH2D1A (SAP) siRNA Set I	S03-911
SIK siRNA Set I	S14-911
SIK3 siRNA Set I	S12-911
SIRT1 siRNA Set I	S35-911
SIRT2 siRNA Set I	S36-911
SIRT3 siRNA Set I	S37-911
SIRT4 siRNA Set I	S38-911
SIRT5 siRNA Set I	S39-911
SIRT6 siRNA Set I	S40-911
SIRT7 siRNA Set I	S41-911B
SLK siRNA Set I	S11-911
SMAD1 siRNA Set I	S10-911
SMAD2 siRNA Set I	S11-911B
SMAD3 siRNA Set I	S12-911B
SMAD4 siRNA Set I	S13-911
SMAD5 siRNA Set I	S14-911B
SMAD9 siRNA Set I	S17-911
SMC1 siRNA Set I	S19-911
SMYD2 siRNA Set I	S348-911
SMYD3 siRNA Set I	S348-911B
SNCA siRNA Set I	S22-911
SNCB siRNA Set I	S22-911B
SNCG siRNA Set I	S22-911C
SOD1 siRNA Set I	S26-911
SOD2 siRNA Set I	S27-911
SOK1 siRNA Set I	S43-911
SPHK1 siRNA Set I	S17-911B

## siRNA Sets (continued)

Name	Catalog #
SPHK2 siRNA Set I	S18-911
SRC siRNA Set I	S19-911B
SRMS siRNA Set I	S20-911
SRPK1 siRNA Set I	S21-911
SRPK2 siRNA Set I	S22-911D
STAT1 alpha siRNA Set I	S52-911
STAT2 siRNA Set I	S53-911
STAT3 siRNA Set I	S54-911
STAT4 siRNA Set I	S55-911
STAT5 siRNA Set I	S56-911
STAT5B siRNA Set I	S56-911B
STAT6 siRNA Set I	S57-911
Stathmin siRNA Set I	S71-911
STK3 siRNA Set I	S24-911
STK9 siRNA Set I	C46-911
STK16 siRNA Set I	S31-911
STK19 siRNA Set I	S35-911B
STK21 (CIT) siRNA Set I	C52-911
STK31 siRNA Set I	S45-911
STK32 (YANK2) siRNA Set I	Y04-911
STK32C (YANK3) siRNA Set I	Y05-911
STK33 siRNA Set I	S46-911
STK35 (CLIK1) siRNA Set I	S47-911
STK36 siRNA Set I	S48-911
STK39 (STLK3) siRNA Set I	S51-911B
STK40 (SHIK) siRNA Set I	S54-911B
STUB1 (CHIP) siRNA Set I	C268-911
STYK1 (NOK) siRNA Set I	S53-911B
SUMO1 siRNA Set I	S293-911
SUMO2 siRNA Set I	S294-911
SUMO3 siRNA Set I	S295-911
SUV39H1 siRNA Set I	S350-911
SYK siRNA Set I	S52-911B
TAB1 siRNA Set I	T01-911
TAK1 siRNA Set I	M15-911
TAOK1 siRNA Set I	T24-911
TAOK2 siRNA Set I	T25-911
TAOK3 siRNA Set I	T26-911
Tau-316 siRNA Set I	T02-911
Tau-352 siRNA Set I	T03-911
Tau-381 siRNA Set I	T04-911
Tau-383 siRNA Set I	T05-911
Tau-410 siRNA Set I	T06-911
Tau-412 siRNA Set I	T07-911
Tau-441 siRNA Set I	T08-911
TBK1 siRNA Set I	T02-911B
TEC siRNA Set I	T03-911B
TESK1 siRNA Set I	T05-911B
TESK2 siRNA Set I	T06-911B
TET1 siRNA Set I	T636-911
TET2 siRNA Set I	T637-911
TET3 siRNA Set I	T638-911
TGFB1 siRNA Set I	T831-911
TGFB3 siRNA Set I	T833-911
TGFBR1 siRNA Set I	T07-911B
TGFBR2 siRNA Set I	T08-911B

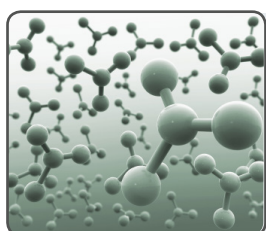
Name	Catalog #
TIE 2 siRNA Set I	T04-911B
TLK1 siRNA Set I	T10-911
TLK2 siRNA Set I	T11-911
TNF-alpha siRNA Set I	T860-911
TNFB siRNA Set I	T861-911
TNIK siRNA Set I	T27-911
TOPK siRNA Set I	T14-911
TP53RK siRNA Set I	T29-911
TPX2 siRNA Set I	T40-911
TRAF2 siRNA Set I	T57-911
TRAF3 siRNA Set I	T58-911
TRAIL siRNA Set I	T880-911
TRDMT1 (DNMT2) siRNA Set I	T352-911
TRIM32 siRNA Set I	T291-911
TRIM37 siRNA Set I	T292-911
TRKA siRNA Set I	N16-911
TRKB siRNA Set I	N17-911
TRKC siRNA Set I	N18-911
Troponin1 siRNA Set I	T68-911
TSC1 siRNA Set I	T71-911
TSC2 siRNA Set I	T72-911
TSSK1B siRNA Set I	S40-911B
TSSK2 siRNA Set I	S38-911B
TSSK3 siRNA Set I	S39-911B
TTBK1 siRNA Set I	T17-911
TTBK2 siRNA Set I	T18-911
TTK siRNA Set I	T20-911
TUBB1 siRNA Set I	T92-911
Tubulin alpha siRNA Set I	T91-911
TXK siRNA Set I	T19-911
TYK2 (JTK1) siRNA Set I	T21-911
TYRO3 siRNA Set I	T22-911
UBA1 (UBE1) siRNA Set I	U201-911
UBA2 (SAE2) siRNA Set I	U202-911
UBA3 (UBE1C) siRNA Set I	U203-911
UBA7 (UBE1L) siRNA Set I	U207-911
UBE2A siRNA Set I	U210-911
UBE2B siRNA Set I	U211-911
UBE2C siRNA Set I	U212-911
UBE2D1 (UBCH5A) siRNA Set I	U213-911
UBE2D2 (UBC4) siRNA Set I	U214-911
UBE2D3 (UBCH5C) siRNA Set I	U215-911
UBE2E3 (UBCH9) siRNA Set I	U219-911
UBE2F siRNA Set I	U220-911
UBE2G1 (UBC7) siRNA Set I	U221-911
UBE2H siRNA Set I	U223-911
UBE2I siRNA Set I	U224-911
UBE2J1 siRNA Set I	U225-911
UBE2K (UBC1) siRNA Set I	U227-911
UBE2L6 (UBCH8) siRNA Set I	U229-911
UBE2N (UBC13) siRNA Set I	U231-911
UBE2O siRNA Set I	U232-911
UBE2R1 siRNA Set I	U234-911
UBE2R2 (UBC3B) siRNA Set I	U235-911
UBE2U siRNA Set I	U237-911
UBE2V1 (UEV1A) siRNA Set I	U238-911



## siRNA Sets (continued)

Name	Catalog #
UBE2V2 siRNA Set I	U239-911
UBE2W (UBC16) siRNA Set I	U240-911
UBE2Z (USE1) siRNA Set I	U241-911
Ubiquitin siRNA Set I	U06-911
UBLE1A (SAE1) siRNA Set I	U208-911
UCHL1 siRNA Set I	U22-911
UCHL3 siRNA Set I	U24-911
UCHL5 siRNA Set I	U26-911
UHMK1 (KIS) siRNA Set I	K05-911
ULK1 siRNA Set I	U01-911
ULK2 siRNA Set I	U02-911
ULK3 siRNA Set I	U03-911
ULK4 siRNA Set I	U04-911
VASP siRNA Set I	V12-911
VAV1 siRNA Set I	V14-911

Name	Catalog #
VEGF-C siRNA Set I	V812-911
Vimentin siRNA Set I	V49-911
VLK siRNA Set I	V05-911
VRK1 siRNA Set I	V01-911
VRK2 siRNA Set I	V02-911
VRK3 siRNA Set I	V03-911
WEE1 siRNA Set I	W01-911
WNK1 siRNA Set I	W02-911
WWP1 siRNA Set I	W296-911
WWP2 siRNA Set I	W297-911
XIAP siRNA Set I	X08-911
YES1 siRNA Set I	Y01-911
ZAK siRNA Set I	Z01-911
ZAP70 siRNA Set I	Z02-911
ZIP11 siRNA Set I	Z45-911



## EXTRACELLULAR LIGANDS

Extracellular ligands stimulate intracellular signaling pathways to regulate cell growth, differentiation, proliferation and apoptosis. SignalChem's Extracellular ligands are effective tools for studying signaling pathways and their connections to disease.

### Chemokines

Name	Catalog #	Species	Sequence	Expression System	Tag
IP-10	I838-40H	Human	22-98	E. coli cells	HIS
RANTES (CCL5)	R801-40N	Human	24-91	E. coli cells	Tag-free
SDF-1	S821-40N	Human	SDF-1-alpha (3-67) SDF-1-beta (3-72)	E. coli cells	Tag-free

### Cytokines

Name	Catalog #	Species	Sequence	Expression System	Tag
IFN-gamma	I837-40N	Human	24-161	E. coli cells	N/A
TNF-alpha	T860-40N	Human	77-233	E. coli cells	N/A
TNF-beta	T861-40BG	Mouse	34-end	Sf9 cells	GST
TNFB	T861-40N	Human	35-205	E. coli cells	N/A
TRAIL	T880-40N	Human	114-281	E. coli cells	N/A
VEGF-C	V812-40N	Human	112-227	E. coli cells	N/A

### Growth Factors

Name	Catalog #	Species	Sequence	Expression System	Tag
4-1BB Receptor (TNFRSF9)	F802-40N	Human	N/A	E. coli cells	Tag-free
Adiponectin (Acrp30)	A801-40N	Human	N/A	E. coli cells	Tag-free
AITRL (TNFSF18)	A828-40N	Human	N/A	E. coli cells	Tag-free
AREG	A875-40N	Human	N/A	E. coli cells	Tag-free
B-cell Maturation Protein (TNFRSF17)	B819-40N	Human	N/A	E. coli cells	Tag-free
BAFF-R (TNFRSF13C)	B806-40N	Human	N/A	E. coli cells	Tag-free

## Growth Factors (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
Beta-Defensin 1 (DEFB1)	B823-40N	Human	N/A	E. coli cells	Tag-free
Beta-Defensin 2 (DEFB4A)	D822-40N	Human	N/A	E. coli cells	Tag-free
Beta-Defensin 3 (DEFB103A)	D823-40N	Human	N/A	E. coli cells	Tag-free
BMP-2	B851-40N	Human	283-396	E. coli cells	Tag-free
BMP-4	B853-40N	Human	293-408	E. coli cells	Tag-free
Cardiotrophin-1 (CT-1)	C801-40N	Human	N/A	E. coli cells	Tag-free
CCL2	M821-40N	Human	N/A	E. coli cells	Tag-free
CCL21	E882-40N	Human	N/A	E. coli cells	Tag-free
CCL22	M832-40N	Human	N/A	E. coli cells	Tag-free
CCL3	M841-40N	Human	N/A	E. coli cells	Tag-free
CCL4	M841-40BN	Human	N/A	E. coli cells	Tag-free
CD40 Ligand (CD40LG)	C810-40N	Human	N/A	E. coli cells	Tag-free
CNTF	C851-40N	Human	N/A	E. coli cells	Tag-free
CXCL1	G871-40N	Human	N/A	E. coli cells	Tag-free
CXCL2	G872-40N	Human	N/A	E. coli cells	Tag-free
CXCL11	I822-40N	Human	N/A	E. coli cells	Tag-free
CXCL12 (SDF-1 alpha)	S821-402N	Human	N/A	E. coli cells	Tag-free
CXCL12 (SDF-1 beta)	S821-40BN	Human	N/A	E. coli cells	Tag-free
CXCL14 (BRAK)	M842-40N	Human	N/A	E. coli cells	Tag-free
CXCL16	C890-40N	Human	N/A	E. coli cells	Tag-free
DHH	D834-40N	Human	N/A	E. coli cells	Tag-free
EGF	E801-40N	Human	N/A	E. coli cells	Tag-free
Eotaxin (CCL11)	E852-40N	Human	N/A	E. coli cells	Tag-free
EPO	E860-40N	Human	N/A	E. coli cells	Tag-free
FGF1	F819-40N	Human	N/A	E. coli cells	Tag-free
FGF2	F820-40N	Human	N/A	E. coli cells	Tag-free
FGF3	F823-40N	Human	N/A	E. coli cells	Tag-free
FGF4	F824-40N	Human	N/A	E. coli cells	Tag-free
FGF8	F828-40N	Human	N/A	E. coli cells	Tag-free
FGF10	F830-40N	Human	N/A	E. coli cells	Tag-free
FGF16	F836-40N	Human	N/A	E. coli cells	Tag-free
FGF17	F837-40N	Human	N/A	E. coli cells	Tag-free
FGF18	F838-40N	Human	N/A	E. coli cells	Tag-free
EGF20	F840-40N	Human	N/A	E. coli cells	Tag-free
EGE21	F841-40N	Human	N/A	E. coli cells	Tag-free
Fractalkine (CX3CL1)	F870-40N	Human	N/A	E. coli cells	Tag-free
G-CSF (CSF3)	G805-40N	Human	N/A	E. coli cells	Tag-free
Galectin-1 (LGALS1)	G802-40N	Human	N/A	E. coli cells	Tag-free
GDNF	G831-40N	Human	N/A	E. coli cells	Tag-free
GH1	G807-402N	Human	N/A	E. coli cells	Tag-free
GM-CSF (CSF2)	G806-40N	Human	N/A	E. coli cells	Tag-free
GMFB	G842-40N	Human	N/A	E. coli cells	Tag-free
GRO gamma (CXCL3)	G873-40N	Human	N/A	E. coli cells	Tag-free
HB-EGF (Heparin Binding EGF)	H805-40N	Human	N/A	E. coli cells	Tag-free
HCC-1 (CCL14)	H811-40N	Human	N/A	E. coli cells	Tag-free
hGH	G807-40N	Human	Full Length	E. coli cells	Tag-free
IFNA1 (IFN-alpha1)	I834-40N	Human	N/A	E. coli cells	Tag-free
IFNA4	I836-40N	Human	N/A	E. coli cells	Tag-free
IGF1	I811-40N	Human	N/A	E. coli cells	Tag-free
IGF2	I812-40N	Human	N/A	E. coli cells	Tag-free
IGFBP3	I813-40N	Human	N/A	E. coli cells	Tag-free
IL1A	I861-40N	Human	N/A	E. coli cells	Tag-free

## Growth Factors (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
IL1B	I861-40BN	Human	N/A	E. coli cells	Tag-free
IL1RN	I860-40N	Human	N/A	E. coli cells	Tag-free
IL-2	I862-40N	Human	21-153	E. coli cells	Tag-free
IL2	I862-40BN	Human	N/A	E. coli cells	Tag-free
IL3	I863-40N	Human	N/A	E. coli cells	Tag-free
IL4	I864-40N	Human	N/A	E. coli cells	Tag-free
IL5	I865-40N	Human	N/A	E. coli cells	Tag-free
IL6	I866-40N	Human	N/A	E. coli cells	Tag-free
IL7	I867-40N	Human	N/A	E. coli cells	Tag-free
IL8 (72AA)	I868-40N	Human	28-99	E. coli cells	HIS
IL8 (72aa)	I868-40BN	Human	N/A	E. coli cells	Tag-free
IL8 (77aa)	I868-40CN	Human	N/A	E. coli cells	Tag-free
IL9	I869-40N	Human	N/A	E. coli cells	Tag-free
IL11	I871-40N	Human	N/A	E. coli cells	Tag-free
IL13	I873-40N	Human	N/A	E. coli cells	Tag-free
IL15	I875-40N	Human	N/A	E. coli cells	Tag-free
IL16	I876-40N	Human	N/A	E. coli cells	Tag-free
IL17A	I877-40N	Human	N/A	E. coli cells	Tag-free
IL17D	I877-40DN	Human	N/A	E. coli cells	Tag-free
IL17F	I877-40FN	Human	N/A	E. coli cells	Tag-free
IL19	I879-40N	Human	N/A	E. coli cells	Tag-free
IL22	I882-40N	Human	N/A	E. coli cells	Tag-free
IL28A	I888-40N	Human	N/A	E. coli cells	Tag-free
IL33	I893-40N	Human	N/A	E. coli cells	Tag-free
IL36A	I896-40N	Human	N/A	E. coli cells	Tag-free
IL36B	I896-40BN	Human	N/A	E. coli cells	Tag-free
IL36G	I896-40CN	Human	N/A	E. coli cells	Tag-free
IL37/IL23	I883-40N	Human	N/A	E. coli cells	Tag-free
IP-10 (CXCL10)	I838-40BN	Human	N/A	E. coli cells	Tag-free
KGF (FGF7)	K818-40N	Human	N/A	E. coli cells	Tag-free
Leptin	L833-40N	Human	22-167	E. coli cells	Tag-free
Leptin (LEP)	L833-40BN	Human	N/A	E. coli cells	Tag-free
LIF	L845-40N	Human	N/A	E. coli cells	Tag-free
LTA	T861-402N	Human	N/A	E. coli cells	Tag-free
MANF	M805-40N	Human	N/A	E. coli cells	Tag-free
Maspin (SerpinB5)	M806-40N	Human	N/A	E. coli cells	Tag-free
MCP-3 (CCL7)	M823-40N	Human	N/A	E. coli cells	Tag-free
MCP-4 (CCL13)	M824-40N	Human	N/A	E. coli cells	Tag-free
MIA	M837-40N	Human	N/A	E. coli cells	Tag-free
Midkine (NEGF2)	M838-40N	Human	N/A	E. coli cells	Tag-free
MIF	M840-40N	Human	N/A	E. coli cells	Tag-free
MIP-3 (CCL23)	M843-40N	Human	N/A	E. coli cells	Tag-free
MIP-4 (CCL18)	M844-40N	Human	N/A	E. coli cells	Tag-free
MMP2	M846-40N	Human	N/A	E. coli cells	Tag-free
MSTN	G818-40N	Human	N/A	E. coli cells	Tag-free
Nodal	N822-40N	Human	N/A	E. coli cells	Tag-free
OPG	O878-40N	Human	22-194	E. coli cells	Tag-free
OSM	O841-40N	Human	N/A	E. coli cells	Tag-free
PDGF	P841-40N	Human	Full Length	E. coli cells	Tag-free
PDGFA	P841-40BN	Human	N/A	E. coli cells	Tag-free
PDGFB	P842-40N	Human	N/A	E. coli cells	Tag-free
Persephin (PSPN)	P870-40N	Human	N/A	E. coli cells	Tag-free

## Growth Factors (continued)

Name	Catalog #	Species	Sequence	Expression System	Tag
PIGF	P829-40N	Human	N/A	E. coli cells	Tag-free
Prolactin (PRL)	P852-40N	Human	N/A	E. coli cells	Tag-free
Resistin (RETN)	R821-40N	Human	N/A	E. coli cells	Tag-free
S100A4	S801-40N	Human	N/A	E. coli cells	Tag-free
SERPINF1	P843-40N	Human	N/A	E. coli cells	Tag-free
SHH	S851-40N	Human	N/A	E. coli cells	Tag-free
Stem Cell Factor (KITLG)	S816-40N	Human	N/A	E. coli cells	Tag-free
TFF1	T811-40N	Human	N/A	E. coli cells	Tag-free
TFF3	T813-40N	Human	N/A	E. coli cells	Tag-free
TGF Beta-3 (TGFB3)	T833-40N	Human	N/A	E. coli cells	Tag-free
TGFB1	T831-40N	Human	279-end	E. coli cells	Tag-free
TGFB3	T833-40CN	Human	301-412	E. coli cells	Tag-free
Thymosin-Beta 4 (TMSB4X)	T897-40N	Human	N/A	E. coli cells	Tag-free
TNF	T860-40BN	Human	N/A	E. coli cells	Tag-free
TNFRSF10B	T881-40BN	Human	N/A	E. coli cells	Tag-free
TNFRSF1B	T863-40BN	Human	N/A	E. coli cells	Tag-free
TSLP	T896-40N	Human	N/A	E. coli cells	Tag-free
TWEAK (TNFSF12)	T893-40N	Human	N/A	E. coli cells	Tag-free
TWEAK Receptor (TNFRSF12A)	T883-40N	Human	N/A	E. coli cells	Tag-free
Uteroglobin (SCGB1A1)	U866-40N	Human	N/A	E. coli cells	Tag-free
VEGF (121aa)	V810-40N	Human	N/A	E. coli cells	Tag-free
VEGF (165aa)	V815-40N	Human	N/A	E. coli cells	Tag-free
VEGFB	V811-40N	Human	N/A	E. coli cells	Tag-free
WISP3	W810-40N	Human	N/A	E. coli cells	Tag-free

## Assay Reagents

Name	Catalog #
Acetyltransferase Dilution Buffer	A21-09
AMP Solution	A46-09
ATP Stock Solution	A50-09
Ca <sup>2+</sup> /Calmodulin Solution II, 10x	C02-39B
Ca <sup>2+</sup> /Calmodulin Solution, 10x	C02-39
cAMP Solution	A47-09
cGMP Solution	G47-09
DTT Solution	D86-09
DTT Solution	D86-09B
GTP Solution	G50-09
GTP Solution II	G50-09B
Kinase Assay Buffer I	K01-09
Kinase Assay Buffer II	K02-09
Kinase Assay Buffer III	K03-09
Kinase Dilution Buffer I	K21-09
Kinase Dilution Buffer II	K22-09
Kinase Dilution Buffer III	K23-09
Kinase Dilution Buffer IV	K24-09
Kinase Dilution Buffer IX	K29-09
Kinase Dilution Buffer V	K25-09

Name	Catalog #
Kinase Dilution Buffer VI	K26-09
Kinase Dilution Buffer VII	K27-09
Kinase Dilution Buffer VIII	K28-09
Lipid Dilution Buffer	L21-09
Lipid Kinase Buffer	L01-09
Methyltransferase Assay Buffer I	M01-09
Methyltransferase Assay Buffer II	M02-09
Methyltransferase Assay Buffer III	M03-09
Methyltransferase Dilution Buffer I	M21-09
Methyltransferase Dilution Buffer II	M22-09
Methyltransferase Dilution Buffer III	M23-09
MnCl <sub>2</sub> Solution	M40-09
Phosphatase Assay Buffer I	P01-09
Phosphatase Assay Buffer II	P02-09
Phosphatase Assay Buffer III	P03-09
Phosphatase Dilution Buffer I	P21-09
Phosphatase Dilution Buffer II	P22-09
Phosphatase Dilution Buffer III	P23-09
PKC Lipid Activator, 10x	L51-39

## Lipid Substrates

Name	Catalog #
PI (Phosphatidylinositol)	P420-59
PI(3)P	P421-59
PI(3)P:PS	P426-59
PI(4)P	P422-59
PI(4)P:PS	P427-59
PI(4,5)P2	P424-59

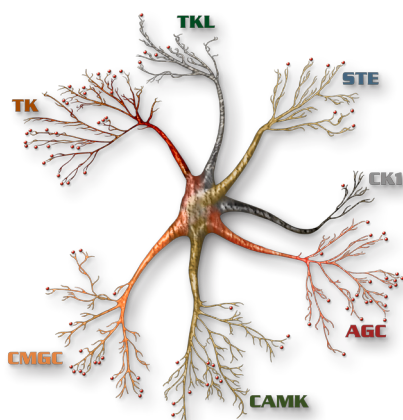
Name	Catalog #
PI(4,5)P2:PS	P429-59
PI(5)P	P423-59
PI(5)P:PS	P428-59
PI:PS	P425-59
PS (Phosphatidylserine) Solution	L11-39

## Peptide Substrates

Name	Catalog #	Sequence
Abltide	A02-58	EAIYAAPFAKKK
Acetylated Histone H3 Peptide I	H12-358	ARTKQ TAR[Ac-K]STGG[Ac-K]APRKL AGGKKC
Acetylated Histone H4 Peptide I	H13-358	SGRG[Ac-K]GG[Ac-K]GLG[Ac-K]GGA[Ac-K]RHRKVGGKKC
AKT (PKB) Substrate	A05-58	CKRPRAASFAE
AKT (SGK) Substrate	A08-58	RPRAATF
AMARA Peptide	A11-58	AMARAASAAALARRR
Amyloid beta (1-11) Peptide	A06-558B	DAEFRHDSGY E
Amyloid beta (1-15) Peptide	A06-558I	DAEFRHDSGY EVHHQ
Amyloid beta (11-20) Peptide	A06-558K	EVHHQKLVFF
Amyloid beta (11-40) Peptide	A06-558G	EVHHQKLVFF AEDVGSNKGA IIGLMVGGVV
Amyloid beta (11-40), pyrE	A06-558H	pyr-EVHHQKLVFF AEDVGSNKGA IIGLMVGGVV
Amyloid beta (11-42) Peptide	A06-558W	EVHHQKLVFF AEDVGSNKGA IIGLMVGGVV IA
Amyloid beta (11-42), pyrE	A06-558X	pyr-EVHHQKLVFF AEDVGSNKGA IIGLMVGGVV IA
Amyloid beta (12-28) Peptide	A06-558L	VHHQKLVFFA EDVGSNK
Amyloid beta (17-28) Peptide	A06-558M	LVFFAEDVGS NK
Amyloid beta (25-35), C-terminal-amide	A06-558O	GSNKGAIIGL M -amide
Amyloid beta (25-35), C-terminal-OH	A06-558N	GSNKGAIIGL M-OH
Amyloid beta (25-35), N-Alpha-Biot-LC Labeled	A06-558Q	Modified GSNKGAIIGL M
Amyloid beta (25-35), Scrambled	A06-558P	MAKGINGISG L
Amyloid beta (29-40) Peptide	A06-558R	GAIIGLMVGG VV
Amyloid beta (3-11) Peptide	A06-558C	EFRHDSGYE
Amyloid beta (3-11), pyrE	A06-558D	pyr-EFRHDSGYE

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### High Purity

*Low Non-Specific Interference = Greater Precision*

### Full Length

*Intact Functional Domains = Increased Relevance*

## Peptide Substrates (continued)

Name	Catalog #	Sequence
Amyloid beta (3-40) Peptide	A06-558E	EFRHDSGYEV HHQKLVFFAE DVGSNKGAI GLMVGGVV
Amyloid beta (3-40), pyrE	A06-558F	pyr-EFRHDSGYEV HHQKLVFFAE DVGSNKGAI GLMVGGVV
Amyloid beta (3-42) Peptide	A06-558U	EFRHDSGYEV HHQKLVFFAE DVGSNKGAI GLMVGGVV IA
Amyloid beta (3-42), pyrE	A06-558V	pyr-EFRHDSGYEV HHQKLVFFAE DVGSNKGAI GLMVGGVV IA
Amyloid beta (31-34), C-terminal-amide	A06-558T	Modified IIGL
Amyloid beta (31-34), Propionyl-amide	A06-558S	Modified IIGL
Amyloid beta (8-20) Peptide	A06-558J	SGYEVHHQKL VFF
Amyloid beta 40 (A21G), Flemish Mutant	A06-518C	DAEFRHDSGY EVHHQKLVFF GEDVGSNKGAI IGLMVGGVV
Amyloid beta 40 (D23N), Iowa Mutant	A06-518F	DAEFRHDSGY EVHHQKLVFF AENVGSNKGAI IGLMVGGVV
Amyloid beta 40 (E22G), Arctic Mutant	A06-518B	DAEFRHDSGY EVHHQKLVFF AGNVGSNKGAI IGLMVGGVV
Amyloid beta 40 (E22K), Italian Mutant	A06-518D	DAEFRHDSGY EVHHQKLVFF GKDVGSNKGAI IGLMVGGVV
Amyloid beta 40 (E22Q), Dutch Mutant	A06-518E	DAEFRHDSGY EVHHQKLVFF GQNVGSNKGAI IGLMVGGVV
Amyloid beta 40 Peptide	A06-518	DAEFRHDSGY EVHHQKLVFF AEDVGSNKGAI IGLMVGGVV
Amyloid beta 40, Biot-LC Labeled	A06-518I	Modified DAEFRHDSGY EVHHQKLVFF AEDVGSNKGAI IGLMVGGVV
Amyloid beta 40, N-Alpha 5-FAM Labeled	A06-518H	Modified DAEFRHDSGY EVHHQKLVFF AEDVGSNKGAI IGLMVGGVV
Amyloid beta 40, N-Alpha 5-TAMRA Labeled	A06-518G	Modified DAEFRHDSGY EVHHQKLVFF AEDVGSNKGAI IGLMVGGVV
Amyloid beta 42 (A21G), Flemish Mutant	A06-58C	DAEFRHDSGY EVHHQKLVFF GEDVGSNKGAI IGLMVGGVV IA
Amyloid beta 42 (D23N), Iowa Mutant	A06-58F	DAEFRHDSGY EVHHQKLVFF AENVGSNKGAI IGLMVGGVV IA
Amyloid beta 42 (E22G), Arctic Mutant	A06-58B	DAEFRHDSGY EVHHQKLVFF AGDVGSNKGAI IGLMVGGVV IA
Amyloid beta 42 (E22K), Italian Mutant	A06-58D	DAEFRHDSGY EVHHQKLVFF AKDVGSNKGAI IGLMVGGVV IA
Amyloid beta 42 (E22Q), Dutch Mutant	A06-58E	DAEFRHDSGY EVHHQKLVFF AQDVGSNKGAI IGLMVGGVV IA
Amyloid beta 42 Peptide	A06-58	DAEFRHDSGY EVHHQ KLVFF AEDVGSNKGAI IGLMVGGVV IA
Amyloid beta 42, Biotin-LC-Labeled	A06-58I	Modified DAEFRHDSGY EVHHQKLVFF AEDVGSNKGAI IGLMVGGVV IA
Amyloid beta 42, N-Alpha 5-FAM Labeled	A06-58H	Modified DAEFRHDSGY EVHHQKLVFF AEDVGSNKGAI IGLMVGGVV IA
Amyloid beta 42, N-Alpha 5-TAMRA Labeled	A06-58G	Modified DAEFRHDSGY EVHHQKLVFF AEDVGSNKGAI IGLMVGGVV IA
Autocamtide 2	A15-58	KKALRRQETVDAL-amide
Axltide	A16-58	KKSRGDYMTMIQIG
CATCHtide	C02-58	CRRHYDYDTHNTYY-LRTFGHNTRR
CDKtide	C06-58	CKKKYSPTSPSYSPSY-SPTSPS
Chktide	C10-58	KKKVSRSGLYRSPMPENLNRPR
CK1tide	C07-58	HAAIGDDDDAYSITA-NH2
CK2 Substrate	C08-58	RRRADDSDDDDD
CREBtide	C50-58	KRREILSRPSYR
Crosstide	C51-58	GRPRTSSFAEG
CSKtide	C63-58	KKKEIYFFFG-NH2
DYRKtide	D96-58	RRFRPASPLRGPPK
EF2tide	E01-58	RKKFGESEKTKTKEFL
EIF2S Peptide	E23-58	CILLSLSRRRIR
GRKtide	G46-58	CRRREEEESAAA
GS Peptide	G60-58	PLSRTLVSVS
GSK3 Substrate	G50-58	YRRAVPPSPSLSRHSSPHQ(ps)EDEEE
HER2 Substrate	E27-58	AAEEIYAARRG
Histone H1 Peptide	H10-58	GGGPATP-KKAKKL-COOH
Histone H3 Peptide (1-21)	H12-58	ARTKQTARKS-TGGKAPRKLQAGGKCC
Histone H4 Peptide (1-21)	H13-58	SGRGKGGKGL-GKGGAKRHRKVGKCC
HSP27tide	H31-58	RLNLRQLSVA-amide
IGF1Rtide	I15-58	KKKSPGEYVNIIEFG
IKKtide	I33-58	KKKKERLLDDRHDG-LDSMKDEE
IRS1 (Y608) Peptide	I40-58	KKHTDDGYMPMPGVA
JAK3tide	J03-58	GGEYEFELVKKKK
LKBtide	L15-58	LSNLHYQGKFLQTCGSPLY-RRRC
LRRKtide	L10-58	RLGRDKYKTLRQIRQ
MARCKS Peptide	M02-58	KKRFSFKKSFKL
MLC Peptide	M09-58	AKRPQRATSNVFS

## Peptide Substrates (continued)

Name	Catalog #	Sequence
Modified AKT Substrate	A05-58B	Modified-CKRPRAASFAE
Modified AKT Substrate II	A05-58C	Modified-CKRPRAASFAE
Modified AXLtide Substrate	A16-58B	CKKSRGDYMTMQIG
Modified EIF2S Peptide	E23-58B	Modified-CILLSLSRRRIR
Modified PKA Substrate	C01-58B	Modified-CGRTGRRNSI-amide
Modified PLKtide	P41-58B	Modified-CKKLGEDQAEIISDDLLEDLSLDEDE
Modified SGKtide	S08-58B	Modified-CKKRNRRLSVA
MRCL3 Peptide	M56-58	KKRPRQATSN-VFAM-NH2
p38 Substrate	P03-58	IPPTTPIITTYFFFKKK
PAKtide	P08-58	RRRLSFAEPG
PDHKtide	P57-58	RRYHGHSMS-DPGVSYRTR
PDKtide	P10-58	KTFCGTPEYLAPEVRREPRILSEEEQEMFRDFDIADWC
PKA Substrate	C01-58	CGRTGRRNSI-amide
PKCtide	P15-58	ERMRRPRKRQGSVRRRV
PLKtide	P41-58	CKKLGEDQAEIISDDLLED-SLSDEDE
Poly (4:1 Glu, Tyr) Peptide	P61-58	N/A
Poly (6:2:5:1 Ala,Glu,Lys,Tyr) Peptide	P60-58	N/A
PP1/PP2A Substrate	P50-58	GRPRTS(p)SFAEG
PP2B Substrate	P51-58	DLDVPIPGRFDRRV(p)SVAEE
RS Repeat Peptide	R55-58	GRSRSRSRSRSRSR
RSK Substrate	S06-58	KRRRLSSLRA
S6K Substrate	S05-58	KRRRLASLR
SAMStide	S07-58	HMRSAMSGLHLVKRR
SGKtide	S08-58	CKKRNRRLSVA
SRC Substrate	S30-58	KVEKIGEGTYGVVYK-amide
TGFBR1 Peptide	T36-58	KKKVLTMGSPSIRC-S(pS)VS
Thr-phosphopeptide	T69-58	KRT(p)IRR
Tyr-phosphopeptide-2	T70-58	DADEY(p)LIPDQQG
Tyrosine Kinase Substrate-3	T71-58	RRLIEDAEYAARG
ULKtide	U01-58	YANWLAASIYLDGKKK
ZIptide	Z16-58	KKLNRTLFAEPG

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## Oligo Substrates

Name	Catalog #	Name	Catalog #
DNMT Substrate-1	D53-58	Poly (1:1 dl, dC) Acid	P62-58

## Protein Substrates

Name	Catalog #	Species	Sequence	Expression System	Tag
4EBP1 Protein	E35-54H	Human	Full Length	Sf9 cells	HIS
4EBP1 Protein	E35-54G	Human	Full Length	E. coli cells	GST
4EBP1 Protein	E35-54BH	Human	Full Length	E. coli cells	HIS
ATF2 Protein	A10-55G	Human	1-254	E. coli cells	GST
Casein Protein	C03-54N	Bovine	N/A	N/A	Tag-free
Casein, Dephosphorylated	C03-54BN	Bovine	N/A	N/A	Tag-free
EIF2S1 Protein	E23-54H	Human	Full Length	E. coli cells	HIS
FRS3 Protein	F80-30G	Human	Full Length	Sf9 cells	GST
Histone H1 Protein	H10-54N	Bovine	N/A	N/A	Tag-free
Histone H3 Protein	H12-54N	Bovine	N/A	N/A	Tag-free
IRS1 (C-Term) Protein	I40-31G	Human	600-1245	Sf9 cells	GST
IRS1 (N-Term) Protein	I40-35G	Human	1-355	E. coli cells	GST
LC20 Protein	M89-54G	Mouse	Full Length	E. coli cells	GST
MBP Protein	M42-51N	Swine	N/A	N/A	Tag-free
MBP Protein	M42-54G	Human	Full Length	E. coli cells	GST
Moesin Protein	M52-55G	Human	410-end	E. coli cells	GST
PDHA1 Protein	P57-55H	Human	30-390	E. coli cells	HIS
Rb (C-Term) Protein	R05-55G	Human	773-928	E. coli cells	GST
Rb (N-Term) Protein	R05-56G	Human	48-378	E. coli cells	GST

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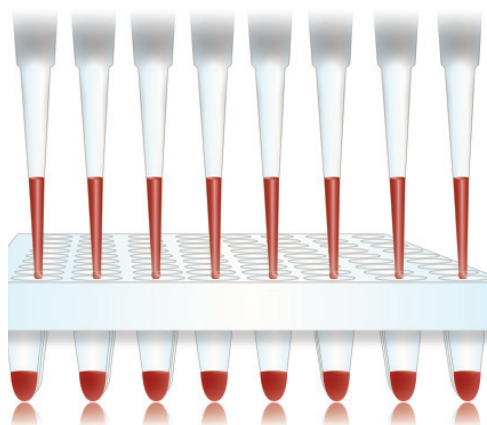
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 <b>Austria</b>	BIOMEDICA MEDIZINPRODUKTE GMBH & CO KG <a href="http://www.bmgrp.at">www.bmgrp.at</a>	 <b>Germany</b>	BIOZOL Diagnostica Vertrieb GmbH <a href="http://www.biozol.de">www.biozol.de</a>	 <b>Luxembourg</b>	BIO-CONNECT B.V. <a href="http://www.bio-connect.nl">www.bio-connect.nl</a>  DIVBIO SCIENCE <a href="http://www.divbio.nl">www.divbio.nl</a>  SANBIO B.V. <a href="http://www.sanbio.nl">www.sanbio.nl</a>	 <b>Slovenia</b>	BIOMEDIS M.B. <a href="http://www.bmgrp.at">www.bmgrp.at</a>
 <b>Belgium</b>	BIO-CONNECT B.V. <a href="http://www.bio-connect.nl">www.bio-connect.nl</a>  DIVBIO SCIENCE <a href="http://www.divbio.nl">www.divbio.nl</a>  SANBIO B.V. <a href="http://www.sanbio.nl">www.sanbio.nl</a>	 <b>Hungary</b>	BIOMEDICA Hungaria <a href="http://www.biomedica.hu">www.biomedica.hu</a>	 <b>Macedonia</b>	BIOMEDICA Dijagnostikadoel <a href="http://www.bmgrp.at">www.bmgrp.at</a>	 <b>South Africa</b>	DIVBIO SCIENCE Africa <a href="http://www.divbio.co.za">www.divbio.co.za</a>
 <b>Bosnia &amp; Herzegovina</b>	BIOMEDICA d.o.o. <a href="http://www.bmgrp.at">www.bmgrp.at</a>	 <b>Iceland</b>	NORDIC Biosite AB <a href="http://www.nordicbiosite.com">www.nordicbiosite.com</a>	 <b>Malaysia</b>	Sciencewerke Sdn Bhd <a href="http://www.sciencewerke.com">www.sciencewerke.com</a>	 <b>Spain</b>	STRATECH Scientific <a href="http://www.stratech.co.uk">www.stratech.co.uk</a>
 <b>Bulgaria</b>	BIOMEDICA Bulgaria <a href="http://www.bmgrp.at">www.bmgrp.at</a>	 <b>India</b>	HYSEL India Pvt. <a href="http://www.hysel.co.in">www.hysel.co.in</a>	 <b>Netherlands</b>	BIO-CONNECT B.V. <a href="http://www.bio-connect.nl">www.bio-connect.nl</a>  DIVBIO SCIENCE <a href="http://www.divbio.nl">www.divbio.nl</a>  SANBIO B.V. <a href="http://www.sanbio.nl">www.sanbio.nl</a>	 <b>Sweden</b>	NORDIC BioSite AB <a href="http://www.biosite.com">www.biosite.com</a>
 <b>Canada</b>	SIGNALCHEM <a href="http://www.signalchem.com">www.signalchem.com</a>  CEDARLANE Laboratories <a href="http://www.cedarlanelabs.com">www.cedarlanelabs.com</a>	 <b>Indonesia</b>	PT Sciencewerke <a href="http://www.sciencewerke.com">www.sciencewerke.com</a>	 <b>New Zealand</b>	ASSAY MATRIX Pty <a href="http://www.assaymatrix.com">www.assaymatrix.com</a>	 <b>Switzerland</b>	LUCERNA Chem AG <a href="http://www.lucerna-chem.ch">www.lucerna-chem.ch</a>
 <b>China</b>	Nanjing Applied Biological <a href="http://www.abmgood.com">www.abmgood.com</a>	 <b>Ireland</b>	STRATECH Scientific <a href="http://www.stratech.co.uk">www.stratech.co.uk</a>	 <b>Norway</b>	NORDIC BioSite AS <a href="http://www.nordicbiosite.com">www.nordicbiosite.com</a>	 <b>Taiwan</b>	BIO-GENESIS Technologies <a href="http://www.biogenesis.com.tw">www.biogenesis.com.tw</a>
 <b>Croatia</b>	BIOMEDICA Dijagnostikad.o.o. <a href="http://www.bmgrp.at">www.bmgrp.at</a>	 <b>Israel</b>	ENCO Scientific Services Ltd. <a href="http://www.enco.co.il">www.enco.co.il</a>	 <b>Poland</b>	BIOMEDICA Polandsp. z. o.o. <a href="http://www.bmgrp.at">www.bmgrp.at</a>	 <b>United Kingdom</b>	STRATECH Scientific <a href="http://www.stratech.co.uk">www.stratech.co.uk</a>
 <b>Czech Republic</b>	BIOMEDICA CS, s.r.o. <a href="http://www.bmgrp.at">www.bmgrp.at</a>  EXBIO Praha, a.s. <a href="http://www.exbio.cz">www.exbio.cz</a>	 <b>Italy</b>	DBA Italia s.r.l. <a href="http://www.dbaitalia.it">www.dbaitalia.it</a>  TEMA Ricerca s.r.l. <a href="http://www.temaricerca.com">www.temaricerca.com</a>	 <b>Portugal</b>	STRATECH Scientific <a href="http://www.stratech.co.uk">www.stratech.co.uk</a>	 <b>United States</b>	SIGNALCHEM <a href="http://www.signalchem.com">www.signalchem.com</a>  CEDARLANE Laboratories <a href="http://www.cedarlanelabs.com">www.cedarlanelabs.com</a>
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