

Signaling You In The Right Direction

Active Kinases

Enzyme	Catalog No.	Species	Tag	Expression	Sequence
GLK, Active	M25-11G	Human	GST	Sf9 insect	1-380
EGFR, Active	E10-112G	Human	GST	Sf9 insect	668-end
ALK2, Active	A06-11G	Human	GST	Sf9 insect	147-end
RIPK2, Active	R08-11G	Human	GST	Sf9 insect	1-299
HUNK, Active	H08-10G	Human	GST	Sf9 insect	Full Length

See our full list of ~460 Active Kinases and ~305 Active Mutant Kinases available on our website

SignalChem offers a broad range of recombinant kinases of superior purity and activity to assist the global academic research and drug discovery efforts. Its active kinase product line is one of the most comprehensive in the world in terms of the coverage and has been utilized by many pharmaceutical companies in their drug discovery programs. An in-house product development team with over 100 years of combined experience in kinase biochemistry is behind the production and quality control of all the kinase-related products as well as the method development for activity assays.

Active Lipid Kinases

Enzyme	Catalog No.	Species	Tag	Expression	Sequence
DGA, Active	D21-10BG	Human	GST	Sf9 insect	Full Length
P13K (p120 gamma), Active	P29-102H	Human	HIS	Sf9 insect	Full Length
PI4K2B, Active	P22-102G	Human	GST	Sf9 insect	Full Length
SPHK1, Active	S17-102G	Human	GST	Sf9 insect	Full Length
DGKZ, Active	D30-10G	Human	GST	Sf9 insect	Full Length

See our full list of ~36 highly Active Lipid Kinases available on our website

SignalChem has developed a broad selection of active lipid kinases which comprise diverse families including PI kinases, diacylglycerol kinases (DGKS) and sphingosine kinases (SPHKs). The biochemical function of these enzymes has been fully validated with AMP-Glo™ assays with optimized formulation of buffer and substrates, thus ensuring robust activity and high sensitivity in high-throughput screening for small molecule inhibitor development.

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Custom Services

RECOMBINANT PROTEIN & ANTIBODY EXPRESSION

Diverse Expression Systems

- *Bacterial*
- *Plant*
- *Insect*
- *Mammalian*
- *Yeast*

Our Capabilities

- *Concentrate*
- *Purity improvement*
- *(De)phosphorylation*
- *Sterilization*
- *Fusion proteins*
- *Buffer exchange*
- *Tag removal*
- *Endotoxin removal*
- *Lyophilization*
- *More*

Flexible Production Scale

Microgram to milligram

Quick turnaround

~1 month

Compound Profiling

COMPOUND SELECTIVITY PROFILING & SUBSTRATE SELECTIVITY PROFILING

COMPREHENSIVE ENZYME SCREENING PANELS

- *90% Kinome Coverage*
- *>600 disease-relevant mutant kinases*
- *Customizable panels*
- *PDEs, phosphatases, methyltransferases, HDACs and more*

BIOCHEMICAL & CELL BASED ASSAYS

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