

Active Recombinant Human CSK, GST-tagged

Cat. No. CSK-1394H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CSK was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	CSK is a cytoplasmic tyrosine kinase that has been shown to downregulate the tyrosine kinase activity of the c-src through tyrosine phosphorylation of the c-src carboxy terminus. A yeast 2-hybrid system has been used to identify proteins associated with CSK. The Src homology-3 (SH3) domain of CSK associates with a proline-rich region of PEP, a protein-tyrosine phosphatase expressed in hemopoietic cells. This association is highly specific and it is speculated that PEP may be an effector and/or regulator of CSK in T cells and other hemopoietic cells.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	425 nmol/min/mg
Molecular Mass	~78 kDa
Purity	>85%

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Applications	Kinase Assay, Western Blot
Storage	Store at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 $\mu\text{g}/\mu\text{l}$
GENE INFORMATION	
Gene Name	CSK c-src tyrosine kinase [Homo sapiens]
Official Symbol	CSK
Synonyms	CSK; c-src tyrosine kinase; tyrosine-protein kinase CSK; C-Src kinase; protein-tyrosine kinase CYL; MGC117393;
Gene ID	1445
mRNA Refseq	NM_001127190
Protein Refseq	NP_001120662
MIM	124095
UniProt ID	P41240
Chromosome Location	15q24.1
Pathway	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; BCR signaling pathway, organism-specific

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biosystem; CXCR4-mediated signaling events, organism-specific biosystem;
Costimulation by the CD28 family, organism-specific biosystem; Disease, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem;

Function

ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; proline-rich region binding; protein C-terminus binding; protein binding; protein phosphatase binding; protein tyrosine kinase activity; protein tyrosine phosphatase activity;

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