

Recombinant Human c-src tyrosine kinase, His-tagged

Cat. No. CSK-619H Lot. No. (See product label)

SPECIFICATION

Product Overview	CSK, 1-450aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-450 a.a.
Description	CSK is a tyrosine-protein kinase CSK that plays an important role in the regulation of cell growth, differentiation, migration and immune response. Suppresses signaling by various surface receptors, including T-cell receptor (TCR) and B-cell receptor (BCR) by phosphorylating and maintaining inactive several positive effectors such as FYN or LCK.. Recombinant human CSK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT
Molecular Mass	53.1kDa (473aa)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMSAIQAA WPSGTECIAK YNFHGTAEQD LPFCKGDVLT IAVTKDPNW YKAKNKVGRE GIIPANYVQK REGVKAGTKL SLMPWFHGKI TREQAERLLY PPETGLFLVR ESTNYPGDYT LCVSCDGKVE HYRIMYHASK LSIDEVYFE NLMQLVEHYT SDADGLCTRL IKPKVMGTV AAQDEFYRSG WALNMKELKL LQTIGKGEFG DVMLGDYRGN KVAVKCIKND ATAQAFLAEA SVMTQLRHSN LVQLLGVIVE EKGGLYIVTE YMAKGLVDY

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LRSRGRSVLG GDCLLKFSLD VCEAMEYLEG NNFVHRDLAA RNVLVSEDNV
 AKVSDFGLTK EASSTQDTGK LPVKWTAPEA LREKKFSTKS DVWSFGILLW
 EIYSFGRVPY PRIPLKDVVP RVEKGYKMDA PDGCPPAVYE VMKNCWHLDA
 AMRPSFLQLR EQLEHIKTHE LHL

Purity >95% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

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](#)

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Chromosome Location	15q24.1
Pathway	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; BCR signaling pathway, organism-specific 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

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