
Product Data Sheet

Product Name: CSK Human
 Cat. No.: GP22473
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tyrosine-protein kinase CSK; C-Src kinase; Protein-tyrosine kinase CYL; CSK; C-Src Tyrosine Kinase.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSAIQAA WPSGTECIAK YNFHGTAEQD LPFCKGDVLT IVAVTKDPNW YKAKNKVGRE GIIPANYVQK REGVKAGTKL SLMPWFHGKI TREQAERLLY PPETGLFLVR ESTNYPGDYT LCVSCDGKVE HYRIMYHASK LSIDEEVYFE NLMQLVEHYT SDADGLCTRL IKPKVMEGTV AAQDEFYRSG WALNMKELKL LQTIGKGEFG DVMLGDYRGN KVAVKCIKND ATAQAFLAEA SVMTQLRHSN LVQLLGVIVE EKGGLYIVTE YMAKGSLVDY LRSRGRSVLG GDCLLKFSLD VCEAMEYLEG NNFVHRDLAA RNVLVSEDNV AKVSDFGLTK EASSTQDTGK LPVKWTAPEA LREKKFSTKS DVWSFGILLW EIYSFGRVPY PRIPLKDVVP RVEKGYKMDA PDGCPPAVYE VMKNCWHLDA AMRPSFLQLR EQLEHIKTHE LHL.		
Formulation	CSK protein (0.5mg/ml) is containing Phosphate Buffered Saline (pH 7.4), 20% glycerol and 1mM DTT.		

Introduction

C-Src Tyrosine Kinase, also known as CSK, regulates cell growth, migration, differentiation, and immune response. CSK Phosphorylates tyrosine residues located in the C-terminal tails of Src-family kinases. CSK is a protein coding gene which suppresses signaling by several surface receptors. Among CSK's related pathways are PI-3K cascade and Signaling by FGFR.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CSK Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 473 amino acids (1-450) and having a molecular mass of 53.1 kDa. The CSK is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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