

Native Human CSK

Cat. No. CSK-27872TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length human CSK with N-terminal proprietary tag.
Species	Human
Source	Insect Cells
Description	C-src tyrosine kinase, also known as CSK, is a human protein and gene. It includes an SH2 domain, an SH3 domain, and a tyrosine kinase domain.
Tissue specificity	Expressed in lung and macrophages.
Biological activity	Specific Activity : 100 U/mg. One unit defined as the amount of enzyme that will transfer 1nmol phosphate to Tyr substrate per minute at pH 7.4 and 30deg.C. Assay buffer : 50mM HEPES pH 7.4, 3mM MgCl ₂ , 3mM MnCl ₂ , 1mM DTT, 3um Na-orthovanadate, 0.1M ATP, 3
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, 10mM reduced Glutathione, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. CSK subfamily. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.
Full Length	Full 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;
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 biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem;

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Function

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

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