

Recombinant Human CSK Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CSK-6272H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CSK MS Standard C13 and N15-labeled recombinant protein (NP_004374) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is involved in multiple pathways, including the regulation of Src family kinases. It plays an important role in T-cell activation through its association with the protein encoded by the protein tyrosine phosphatase, non-receptor type 22 (PTPN22) gene. This protein also phosphorylates C-terminal tyrosine residues on multiple substrates, including the protein encoded by the SRC proto-oncogene, non-receptor tyrosine kinase gene. Phosphorylation suppresses the kinase activity of the Src family tyrosine kinases. An intronic polymorphism (rs34933034) in this gene has been found to affect B-cell activation and is associated with systemic lupus erythematosus (SLE). Alternative splicing results in multiple transcript variants.
Molecular Mass	50.7 kDa
AA Sequence	MSAIQAAWPSGTECIAKYNFHGTAEQDLPFCKGDVLTIVAVTKDPNWKAKNKVGR EGIIPANYVQKREGVKAGTKLSLMPWFHKGKITREQAERLLYPPETGLFLVRESTNYP GDYTLCVSCDGKVEHYRIMYHASKLSIDEEVYFENLMQLVEHYTSDADGLCTRLIKP

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KVMEGTVAAQDEFYRSGWALNMKELKLLQTIGKGEFGDVMLGDYRGNKVAVKCIK
 NDATAQAFLAEASVMTQLRHSNLVQLLGVIVEEKGGLYIVTEYMAKGSLVDYLRSRG
 RSVLGGDCLLKFSLDVCEAMEYLEGNNFVHRDLAARNVLVSEDNVAKVSDFGLTKE
 ASSTQDTGKLPVKWTAPEALREKKFSTKSDVWSFGILLWEIYSFGRVPYPRIPLKDV
 VPRVEKGYKMDAPDGCPPAVYEVMMKNCWHLDAAMRPSFLQLREQLEHIKTHELHL
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CSK c-src tyrosine kinase [Homo sapiens (human)]

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_004383

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Protein Refseq NP_004374

MIM 124095

UniProt ID P41240

SDS-PAGE



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