

## Product datasheet for **TP325740M**

### CSK (NM\_001127190) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human c-src tyrosine kinase (CSK), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC225740 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MSAIQAAWPSGTECIAKYNFHGTAEQDLPFCKGDVLTIVAVTKDPNWKAKNKVGREGIIPANYVQKREG VKAGTKLSLMPWFHKGITREQAERLLYPPETGLFLVRESTNYPGDYTLVSCDGGKVEHYRIMYHASKLSI DEEVYFENLMQLVEHYTSDADGLCTRLIKPKVMEGTVAQAQDEFYRSGWALNMKELKLLQTIGKGEFGDVM LGDYRGNKVAVKCIKNDATAQAFLAEASVMTQLRHSNLVQLLGVIVEEKGGLYIVTEYMAKGLVDYLRS RGRSVLGGDCLLKFSLDVCEAMEYLEGNFVHRDLAARNVLVSEDNVAKVSDFGLTKEASSTQDTGKLPV KWTAPEALREKKFSTKSDVWSFGILLWEIYSFGRVPPRIPLKDVVPRVEKGYKMDAPDGCPPAVYEVKM NCWHLDAAMRPSFLQLREQLLEHIKTHELHL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	50.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001120662</a></u>



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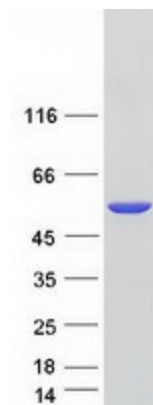
Locus ID: 1445  
UniProt ID: [P41240](#), [B2R6Q4](#), [A8K3B6](#)  
RefSeq Size: 2236  
Cytogenetics: 15q24.1  
RefSeq ORF: 1350

**Summary:** 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. [provided by RefSeq, Aug 2017]

**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Chemokine signaling pathway, Epithelial cell signaling in Helicobacter pylori infection, Neurotrophin signaling pathway, Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified CSK protein (Cat# [TP325740]). The protein was produced from HEK293T cells transfected with CSK cDNA clone (Cat# [RC225740]) using MegaTran 2.0 (Cat# [TT210002]).