

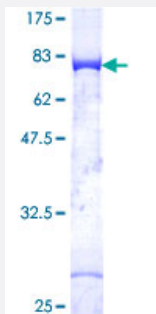
Full-Length

CSK (Human) Recombinant Protein (P01)

Catalog # H00001445-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CSK full-length ORF (NP_004374.1, 1 a.a. - 450 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSAIQAAWPSGTECIAKYNFHGTAEQDLPFCKGDVLTIVAVTKDPNWKAKNKVGREGIIPANYVQ
KREGVKAGTKLSLMPWFHKGITREQAERLLYPETGLFLVRESTNYPGDYTLVSCDGKVEHYRI
MYHASKLSIDEEVYFENLMQLVEHYTSDADGLCTRLIKPKVMEGTVAQAQDEFYRSGWALNMKELK
LLQTIGKGEFGDVMLGDYRGNKVAVKCIKNDATAQAFLAEASVMTQLRHSNLVQLLGVVEEKG
LYVTEYMAKGS�VDYLRSGRSVLGGDCLLKFSLDVCEAMEYLEGNNFVHRDLAARNVLVSEDN
VAKVSDFGLTKEASSTQDTGKLPVKWTAPEALREKKFSTKSDVVSFGILLWEYSFGRVPYPRIPL
KDVVPRVEKGYKMDAPDGCPPAVYEVKNCWHLDAAMRPSFLQLREQLHIKTHELHL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

75.13

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CSK

Entrez GeneID	1445
GeneBank Accession#	NM_004383.1
Protein Accession#	NP_004374.1
Gene Name	CSK
Gene Alias	MGC117393
Gene Description	c-src tyrosine kinase
Omim ID	124095
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- [SHP-2 Binds to Caveolin-1 and Regulates Src Activity via Competitive Inhibition of CSK in Response to H2O2 in Astrocytes.](#)

Jo A, Park H, Lee SH, Ahn SH, Kim HJ, Park EM, Choi YH.

PLoS One 2014 Mar; 9(3):e91582.

Application: Dot-Pep, Recombinant protein

Pathway

- [Chemokine signaling pathway](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Neurotrophin signaling pathway](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypertension](#)
- [Lymphoproliferative Disorders](#)
- [Metabolic Syndrome X](#)
- [Myelodysplastic Syndromes](#)
- [Neoplasms](#)
- [Osteoporosis](#)