

## **Product datasheet for AR51662PU-N**

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## CSK (1-450, His-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** CSK (1-450, His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

Tag:

Predicted MW:

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

MGSSHHHHHH SSGLVPRGSH MGSMSAIQAA WPSGTECIAK YNFHGTAEQD LPFCKGDVLT

His-tag

Concentration: lot specific

Purity: >95% by SDS - PAGE

**Buffer:** Presentation State: Purified

53.1 kDa

State: Liquid purified protein

Buffer System: Phosphate Buffered Saline (pH 7.4) containing 20% glycerol, 1 mM DTT

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human CSK protein, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 001120662

**Locus ID:** 1445

**UniProt ID:** P41240, B2R6Q4, A8K3B6





Cytogenetics: 15q24.1

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

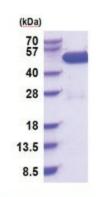
multiple transcript variants. [provided by RefSeq, Aug 2017]

**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:**



15% SDS-PAGE (3ug)