

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

### 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: | MGSSHHHHHH SSGLVPRGSH MGSMSAIQAA WPSGTECIAK YNFHGTAEQD LPFCKGDVLT<br>IVAVTKDPNW YKAKNKVGRE GIIPANYVQK REGVKAGTKL SLMPWFHGKI TREQAERLLY<br>PPETGLFLVR ESTNYPGDYT LCVSCDGKVE HYRIMYHASK LSIDEVYFE NLMQLVEHYT<br>SDADGLCTRL IKPKVMETV AAQDEFYRSG WALNMKELKL LQTIGKGEFG DVMLGDYRGN<br>KVAVKCIKND ATAQAFLAEA SVMTQLRHSN LVQLLGVIVE EKGGLYIVTE YMAKGLVDY<br>LRSRGRSVLG GDCLLKFSLD VCEAMEYLEG NNFVHRDLAA RNVLVEDNV AKVSDFGLTK<br>EASSTQDTGK LPVKWTAPEA LREKKFSTKS DVWSFGILLW EIYSFGRVPY PRIPLKDWVP<br>RVEKGYKMDA PDGCPPAVYE VMKNCWHLDA AMRPSFLQLR EQLEHIKTHE LHL |
| Tag:                                  | His-tag   |
| Predicted MW:                         | 53.1 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >95% by SDS - PAGE  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>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:                               | <a href="#">NP_001120662</a>  |
| Locus ID:                             | 1445  |
| UniProt ID:                           | <a href="#">P41240</a> , <a href="#">B2R6Q4</a> , <a href="#">A8K3B6</a>  |



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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:

