

CSK, 1-450aa, Human, His tag, E.coli

Cat.NO.: TP01739

3th Edition

Synonyms: Tyrosine-protein kinase CSK, C-Src kinase, Protein-tyrosine kinase CYL, Tyrosine protein kinase CSK

Description: CSK is a tyrosine-protein kinase CSK that plays an important role in the regulation of cell growth, differentiation, migration and immune response. Suppresses signaling by various surface receptors, including T-cell receptor (TCR) and B-cell receptor (BCR) by phosphorylating and maintaining inactive several positive effectors such as FYN or LCK.. Recombinant human CSK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

Molecular Weight: 53.1kDa (473aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGMSAIIQAAWPSGTECIAKYNFHGTAEQDLPFCKGDVLTIVAVTKDPNWKAK
NKVGREGIIPANYVQKREGVKAGTKLSLMPWFHKGITREQAERLLYPETGLFLVRESTNYPGDYTLCVSCDGKVE
HYRIMYHASKLSIDEEVYFENLMQLVEHYTSDADGLCTRLIKPKVMEGTVAQAQDEFYRSGWALNMKELKLLQTIGKG
EFGDVMLGDYRGNKVAVKCIKNDATAQAFLAEASVMTQLRHSNLVQLLGVIVEEKGGLYIVTEYMAKGS�VDYLR
RGRSVLGGDCLLKFSLDVCEAMEYLEGNNFVHRDLAARNVLVSEDNVAKVSDFGLTKEASSTQDTGKLPVKWTAP
EALREKKFSTKSDVWSFGILLWEIYSFGRVPYPRIPLKDVVPRVEKGYKMDAPDGCPPAVYEVMKNCWHLDAAMR
PSFLQLREQLHEIKTHELHL

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.