

Recombinant Human CSNK1D, His-tagged

Cat. No. CSNK1D-197H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CSNK1D, 1-409aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-409aa
Description	CSNK1D is a member of the casein kinase I (CKI) gene family whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. This protein is highly similar to the mouse and rat CK1 delta homologs. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human CSNK1D protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	48.9 kDa(429aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MELRVGNRYR LGRKIGSGSF GDIYLGTDIA AGEEVAIKLE CVKTKHPQLH IESKIYKMMQ GGVGIPTIRW CGAEGDYNVM VMELLGPSLE DLFNFCSRKF SLKTVLLLAD QMISRIEYIH SKNFIHRDVK PDNFLMGLGK KGNLVYIIDF GLAKKYRDAR THQHIPPYREN KNLTGTARYA SINTHLGIEQ SRRDDLES LG YVLMYFNLGS LPWQGLKAAT KRQKYERISE KKMSTPIEVL CKGYPSEFAT YLNFCSRSLRF DDKPDYSYLR QLFRNLFHRQ

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GFSYDYVFDW NMLKFGASRA ADDAERERRD REERLRHSRN PATRGLPSTA
SGRLRGTQEV APPTPLTPTS HTANTSPRPV SGMERERKVS MRLHRGAPVN
ISSSDLTGRQ DTSRMSTSQN SIPFEHHGK

Purity >85% by SDS - PAGE

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

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name CSNK1D casein kinase 1, delta [Homo sapiens]

Official Symbol CSNK1D

Synonyms CSNK1D; casein kinase 1, delta; casein kinase I isoform delta; CKID; CKIdelta; HCKID; CKId; CKI-delta; tau-protein kinase CSNK1D;

Gene ID 1453

mRNA Refseq NM_001893

Protein Refseq NP_001884

MIM 600864

UniProt ID P48730

Chromosome Location 17q25

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Pathway

Canonical Wnt signaling pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian rhythm - mammal, organism-specific biosystem; Circadian rhythm - mammal, conserved biosystem;

Function

ATP binding; nucleotide binding; protein binding; protein kinase activity; protein kinase activity; protein kinase activity; protein serine/threonine kinase activity; tau-protein kinase activity;

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