

## Recombinant Human CSNK1D, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	CSNK1D, 1-409aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-409aa
<b>Description</b>	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.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.4M Urea
<b>Molecular Mass</b>	48.9 kDa(429aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MELRVGNRYR LGRKIGSGSF GDIYLGTDIA AGEEVAIKLE CVKTKHPQLH IESKIYKMMQ GGVGIPTIRW CGAEGDYNVM VMELLGPSLE DLFNFCSRKF SLKTVLLLAD QMISRIEYIH SKNFIHRDVK PDNFLMGLGK KGNLVYIIDF GLAKKYRDAR THQHIPPYREN KNLTGTARYA SINTHLGIEQ SRRDDLESLG YVLMYFNLGS LPWQGLKAAT KRQKYERISE KKMSTPIEVL CKGYPSEFAT YLNFCRSLRF 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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