

Recombinant human Casein kinase 1 delta/CSNK1D protein

Catalog Number: ATGP2690

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-409aa

UniProt No.

P48730

NCBI Accession No.

NP_620693

Alternative Names

Casein kinase 1 delta, Casein kinase I isoform delta, CKI-delta, CKId, Tau-protein kinase CSNK1D, HCKID, CKIdelta

PRODUCT SPECIFICATION

Molecular Weight

48.9 kDa (429aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MELRVGNRYR LGRKIGSGSF GDIYLGTDIA AGEEVAIKLE CVKTKHPQLH IESKIYKMMQ

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GGVGIPTIRW CGAEGDYNVM VMELLGPSLE DLFNFCSRKF SLKTVLLAD QMISRIEYIH SKNFIHRDVK PDNFLMGLGK
KGNLVYIIDF GLAKKYRDAR THQHIPPYREN KNLTGTARYA SINHLGIEQ SRRDDLES LG YVLMYFNLGS LPWQGLKAAT
KRQKYERISE KKMSTPIEVL CKGYPSEFAT YLNFCRSLRF DDKPDYSYLR QLFRNLFHRQ GFSYDYVFDW NMLKFGASRA
ADDAERERRD REERLRHSRN PATRGLPSTA SGRLRGTQEV APPTPLTPTS HTANTSPRPV SGMERERKVS MRLHRGAPVN
ISSSDLTGRQ DTSRMSTSQN SIPFEHHGK

General References

Fish KJ. et al. (1995) J Biol Chem. 270:14875-14883.
Cooper. et al. (2002) J. Biol. Chem. 277:44962-44968.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)