

Recombinant Human CSNK2A1, His-tagged

Cat. No. CSNK2A1-199H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Protein Kinase Casein Kinase 2, fused to His tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 47.3 kDa (411 aa).
Species	Human
Source	E.coli
Description	Protein Kinase Casein Kinase 2 (PKCK2, also called CK2) is a ubiquitous Ser/Thr kinase expressed in all eukaryotes. PKCK2 is a tetramer composed of two catalytic kinase domains, alpha subunits, and two identical regulatory beta subunits. It has been implicated in cell cycle control, DNA repair, regulation of the circadian rhythm, and other cellular processes.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 500 mM NaCl, 50% glycerol.
Purity	> 90% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHH SSGLVPRGSH MSGPVPSRAR VYTDVNTHRP REYWDYESHV VE WGNQDDYQ LVRKLGRGKY SEVF EAINIT NNEKVVVKIL KPVKKKKIKR EIKI LEN LRG GPNIITLADI VKDPVSRTPA LVFEHVNNTD FKQLYQTLTD YDIRFYMYEI LK AL DYCHSM GIMHRDVKPH NV MIDHEHRK LRLIDWGLAE FYHPGQEYNV RV AS

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RY FKGP ELLVDYQMYD YSLDMWSLGC MLASMIFRKE PFFHGHHDNYD
QLVRIAKVLG T E DLYDYIDK YNIELDPRFN DILGRHSRKR WERFVHSENQ
HLVSPEALDF LD KL LR YDHQ SRLTAREAME HPYFYTVVKD QARMGSSSMP
GGSTPVSSAN MM SG ISSVPT PSPLGPLAGS PVIAAANPLG MPVPAAAGAQ Q.

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.

GENE INFORMATION
Gene Name

CSNK2A1 casein kinase 2, alpha 1 polypeptide [Homo sapiens]

Synonyms

CSNK2A1; casein kinase 2, alpha 1 polypeptide; CKII; CK2A1; casein kinase II alpha 1 subunit; protein kinase CK2; CK2 catalytic subunit alpha; EC 2.7.11.1; OTTHUMP00000029925; OTTHUMP00000029926

Gene ID

1457

mRNA Refseq

NM_001895

Protein Refseq

NP_001886

MIM

115440

UniProt ID

P68400

**Chromosome
Location**

20p13

Pathway

Adherens junction; Tight junction; Wnt signaling pathway

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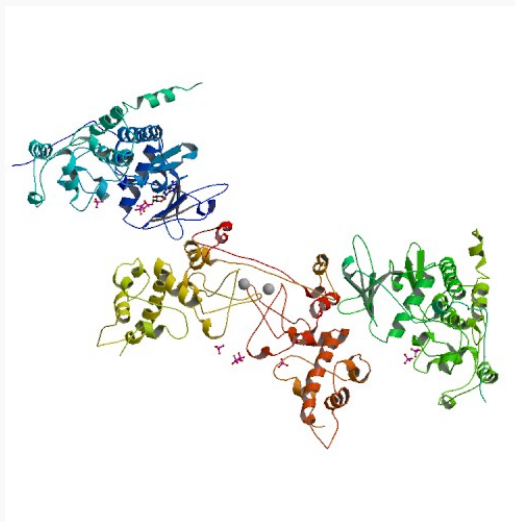
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Function

ATP binding; nucleotide binding; protein N-terminus binding; protein serine/threonine kinase activity; transferase activity

PDB rendering based on 1jwh.



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