

Recombinant Full Length Human CSNK2A1 Protein, GST-tagged

Cat. No. CSNK2A1-2198HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CSNK2A1 full-length ORF (NP_001886.1, 1 a.a. - 391 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	391 amino acids
Description	Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. It is involved in various cellular processes, including cell cycle control, apoptosis, and circadian rhythm. The kinase exists as a tetramer and is composed of an alpha, an alpha-prime, and two beta subunits. The alpha subunits contain the catalytic activity while the beta subunits undergo autophosphorylation. The protein encoded by this gene represents the alpha subunit. While this gene is found on chromosome 20, a related transcribed pseudogene is found on chromosome 11. Three transcript variants encoding two different proteins have been found for this gene. [provided by RefSeq, Jul 2014]
Molecular Mass	71.5 kDa
AA Sequence	MSGPVPSRARVYTDVNTHRPREYWDYESHVVEWGNQDDYQLVRKLGRGKYSEVF EAINITNNEKV VVKILKPVKKKKIKREIKILENLRGGPNIITLADIVKDPVSRTPALVFEHV NNTDFKQLYQTLTDYDIRFMYEILKALDYCHSMGIMHRDVKPHNV MIDHEHRKLR LI

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DWGLAEFYHPGQEYNVRVASRYFKGPELLVDYQMYDYSLDMWSLGCMLASMIFRK
 EPFFHGHNDYDQLVRIAKVLGTEDLYDYIDKYNIELDPRFNDILGRHSRKRWERFVH
 SENQHLSPEALDFLDKLLRYDHQSRLTAREAMEHPYFYTVVKDQARMGSSSMGP
 GSTPVSSANMMSGISSVPTPSPLGPLAGSPVIAAANPLGMPVPAAAGAQQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

Official Symbol CSNK2A1

Synonyms CSNK2A1; casein kinase 2, alpha 1 polypeptide; casein kinase II subunit alpha; CK II alpha; protein kinase CK2; CK2 catalytic subunit alpha; casein kinase II alpha 1 subunit; CKII; CK2A1

Gene ID 1457

mRNA Refseq NM_001895

Protein Refseq NP_001886

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MIM	115440
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UniProt ID	P68400
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