

Recombinant Full Length Human CSNK2A2 Protein, GST-tagged

Cat. No. CSNK2A2-2199HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CSNK2A2 full-length ORF (AAH08812.1, 1 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	350 amino acids
Description	This gene encodes the alpha', or alpha 2, catalytic subunit of the protein kinase enzyme, casein kinase 2 (CK2). Casein kinase 2 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 rhythms. This heterotetrameric kinase includes two catalytic subunits, either alpha or alpha', and two regulatory beta subunits. The closely related gene paralog encoding the alpha, or alpha 1 subunit (CSNK2A1, Gene ID: 1457) is found on chromosome 20. An intronic variant in this gene (alpha 2) may be associated with leukocyte telomere length in a South Asian population. A related transcribed pseudogene is found on chromosome 11. [provided by RefSeq, Aug 2017]
Molecular Mass	64.13 kDa
AA Sequence	MPGPAAGSRARVYAEVNSLRSEYWDYEAHVPSWGNQDDYQLVRKLGRGKYSEV FEAINITNNERVVVVKILKPVKKKKIKREVKILENLRGGTNIKLIIDTVKDPVSKTPALVFE

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YINNTDFKQLYQILTDFDIRFYMYELLKALDYCHSKGIMHRDVKPHNVMIDHQQKKLR
 LIDWGLAEFYHPAQEYNVRVASRYFKGPELLVDYQMYDYSLDMWSLGCMLASMIFR
 REPFFHGGQDNVDQLVRIAKVLGTEELYGYLKKYHIDLDPHFNDILGQHSRKRWENFI
 HSENRLVSPEALDLLDKLLRYDHQQRRTAKEAMEHPYFYPVVKEQSQPCADNAVL
 SSSLTAAR

Applications

- Kinase Assay
- 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 CSNK2A2 casein kinase 2, alpha prime polypeptide [Homo sapiens]

Official Symbol CSNK2A2

Synonyms CSNK2A2; casein kinase 2, alpha prime polypeptide; casein kinase II subunit alpha; CSNK2A1; CK II alpha; CK2A2; FLJ43934

Gene ID 1459

mRNA Refseq NM_001896

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Protein Refseq	NP_001887
MIM	115442
UniProt ID	P19784

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