

Recombinant Human CSNK2A2 Protein, GST-tagged

Cat. No. CSNK2A2-2010H **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	Wheat Germ
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	MPGPAAGSRARVYAEVNSLRSREYWDYEAHVPSWGNQDDYQLVRKLGRGKYSEV FEAINITNNERVVVKILKPVKKKKIKREVKILENLRGGTNIKLIDTVKDPVSKTPALVFE YINNTDFKQLYQILTDFDIRFYMYELLKALDYCHSKGIMHRDVKPHNVIMDHQQKKLR LIDWGLAEFYHPAQEYNVRVASRYFKGPELLVDYQMYDYSLDMWSLGCMCLASMIFR

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REPPFFHGQDNYDQLVRIAKVLGTEELYGYLKKYHIDLDPHFNDILGQHSRKRWENFI
HSENRHLVSPEALDLLDKLLRYDHQQRLTAKEAMEHPYFYPVVKEQSQPCADNAVL
SSGLTAAR

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

Protein Refseq NP_001887

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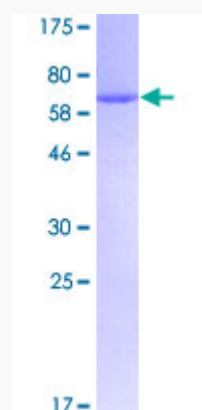
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MIM 115442

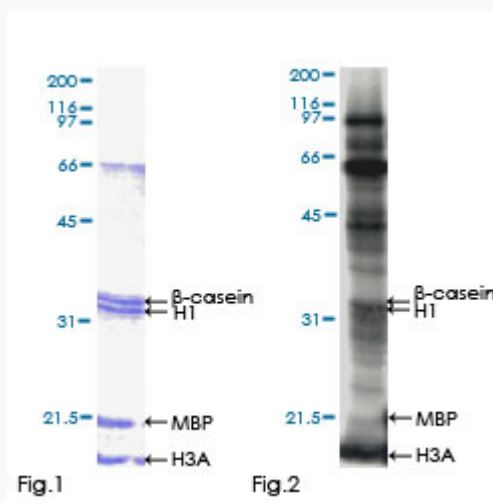
UniProt ID P19784

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

Kinase Assay



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