

Product datasheet for TP302435L

OriGene Technologies, Inc.

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CSNK2A2 (NM_001896) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human casein kinase 2, alpha prime polypeptide (CSNK2A2), 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC202435 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MPGPAAGSRARVYAEVNSLRSREYWDYEAHVPSWGNQDDYQLVRKLGRGKYSEVFEAINITNNERVVVKI

LKPVKKKKIKREVKILENLRGGTNIIKLIDTVKDPVSKTPALVFEYINNTDFKQLYQILTDFDIRFYMYE

LLKALDYCHSKGIMHRDVKPHNVMIDHQQKKLRLIDWGLAEFYHPAQEYNVRVASRYFKGPELLVDYQMY DYSLDMWSLGCMLASMIFRREPFFHGQDNYDQLVRIAKVLGTEELYGYLKKYHIDLDPHFNDILGQHSRK RWENFIHSENRHLVSPEALDLLDKLLRYDHQQRLTAKEAMEHPYFYPVVKEQSQPCADNAVLSSGLTAAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 41 kDa

Concentration: >0.05 μg/μL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 001887

Locus ID: 1459



CSNK2A2 (NM_001896) Human Recombinant Protein - TP302435L

 UniProt ID:
 P19784

 RefSeq Size:
 1674

 Cytogenetics:
 16q21

 RefSeq ORF:
 1050

Synonyms: CK2A2; CK2alpha'; CSNK2A1

Summary: This gene encodes the alpha', or alpha 2, catalytic subunit of the protein kinase enzyme, casein

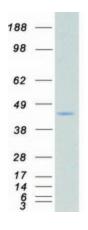
kinase 2 (CK2). Casein kinase 2 is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. It is involved in various cellular processes, including cell cycle control, apoptosis, and circadian rhythms. This heterotetrameric kinase includes two catalytic subunits, either alpha 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]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Adherens junction, Tight junction, Wnt signaling pathway

Product images:



Coomassie blue staining of purified CSNK2A2 protein (Cat# [TP302435]). The protein was produced from HEK293T cells transfected with CSNK2A2 cDNA clone (Cat# [RC202435]) using MegaTran 2.0 (Cat# [TT210002]).