

Product datasheet for **AR50523PU-S**

CSNK2A2 / CK2A2 (1-350, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CSNK2A2 / CK2A2 (1-350, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHPGPAA GSRARVYAEV NSLRSREYWD YEAHVPSWGN QDDYQLVRKL GRGKYSEVFE AINITNNERV VVKILKPVKK KKIKREVKIL ENLRGGTNII KLIDTVKDPV SKTPALVFEY INNTDFKQLY QILTDFDIRF YMYELLKALD YCHSKGIMHR DVKPHNVIMID HQQKKLRLLID WGLAEFYHPA QEYNVRVASR YFKGPELLVD YQMYDYSLDM WSLGCMLASM IFRREPFHFG QDNYDQLVRI AKVLGTEELY GYLKKYHIDL DPHFNDILGQ HSRKRWENFI HSENRHLVSP EALDLLDKLL RYDHQQLTA KEAMEHPYFY PVVKEQSQPC ADNAVLSSGL TAAR
Tag:	His-tag
Predicted MW:	43.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CSNK2A2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001887
Locus ID:	1459
UniProt ID:	P19784
Cytogenetics:	16q21



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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:

