

Product datasheet for **AR50280PU-S**

Casein kinase II subunit alpha (1-391, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Casein kinase II subunit alpha (1-391, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMMMSGPV PSRARVYTDV NTHRPREYWD YESHVVEWGN QDDYQLVRKL GRGKYSEVFE AINITNNEKV VVKILKPVKK KIKREIKIL ENLRGGPNII TLADIVKDPV SRTPALVFEH VNNTDFKQLY QTLTDYDIRF YMYEILKALD YCHSMGIMHR DVKPHNV MID HEHRKLRLID WGLAEFYHPG QEYNVRVASR YFKGPELLVD YQMYDYSLDM WSLGCMLASM IFRKEPFFHG HDNYDQLVRI AKVLGTEDLY DYIDKYNIEL DPRFNDILGR HSRKRWERFV HSENQHLVSP EALDFLDKLL RYDHQSRLTA REAMEHPYFY TVVKDQARMG SSSMPGGSTP VSSANMMSGI SSVPTPSPLG PLAGSPVIAA ANPLGMPVPA AAGAQQ
Tag:	His-tag
Predicted MW:	47.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CSNK2A1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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_001886
Locus ID:	1457
UniProt ID:	P68400



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Cytogenetics: 20p13

Synonyms: CK2A1; Cka1; Cka2; CKII; OCNDS

Summary: 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. Multiple transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Apr 2018]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase

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

Product images:

