

Product datasheet for AR50008PU-N

OriGene Technologies, Inc.

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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, 0.25 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSGPVPSRAR VYTDVNTHRP REYWDYESHV VEWGNQDDYQ LVRKLGRGKY SEVFEAINIT NNEKVVVKIL KPVKKKKIKR EIKILENLRG GPNIITLADI VKDPVSRTPA

LVFEHVNNTD FKQLYQTLTD YDIRFYMYEI LKALDYCHSM GIMHRDVKPH NVMIDHEHRK LRLIDWGLAE FYHPGQEYNV RVASRYFKGP ELLVDYQMYD YSLDMWSLGC MLASMIFRKE PFFHGHDNYD QLVRIAKVLG TEDLYDYIDK YNIELDPRFN DILGRHSRKR WERFVHSENQ HLVSPEALDF LDKLLRYDHQ SRLTAREAME HPYFYTVVKD QARMGSSSMP GGSTPVSSAN

MMSGISSVPT PSPLGPLAGS PVIAAANPLG MPVPAAAGAQ Q

Tag: His-tag
Predicted MW: 47.3 kDa
Concentration: lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris pH 8.0, 500 mM NaCl, 1 mM DTT, 50% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human PKCK2, 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: <u>NP 001886</u>

 Locus ID:
 1457

 UniProt ID:
 P68400

 Cytogenetics:
 20p13





Synonyms: CK2A1; Cka1; Cka2; CKII; OCNDS

Summary: Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such

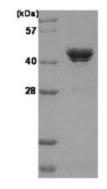
as casein. It is involved in various cellular processes, including cell cycle control, apoptosis, and circadian rhythm. The kinase exists as a tetramer and is composed of an alpha, an alphaprime, and two beta subunits. The alpha subunits contain the catalytic activity while the beta subunits undergo 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:



15% SDS-PAGE (3ug)