

kinase Casein Kinase 2 alpha 1 Recombinant Protein | CSNK2A1 recombinant protein

Recombinant Human Protein kinase Casein Kinase 2 alpha 1, His Tag

CATALOG #
AAA38394

HOST
E Coli

PRODUCT SYNONYMS

kinase Casein Kinase 2 alpha 1; Recombinant Human Protein kinase Casein Kinase 2 alpha 1; His Tag; CSNK2A1 Human; His; Casein Kinase 2 alpha 1 Human Recombinant; Casein kinase II subunit alpha; EC 2.7.11.1; CK II; CK2A1; CKII alpha; CSNK2A1; PKCK2; CSK21; CSNK2A1 His; CSNK2A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	CSNK2A1 is supplied in 20mM Tris pH-8.0, 500mM NaCl, 1mM DTT and 50% glycerol. Sterile Filtered clear solution.
Sequence	MGSSHHHHHH SSGLVPRGSH MSGPVPSRAR VYTDVNTHRP REYWDYESHV VEWGNQDDYQ LVRKLGRGKY SEVF EAINIT NNEKVVVKIL KPVKKKKIKR EIKILENLRG GPNIITLADI VKDPVSRTPA LVFEHVNNTD FKQLYQTLTD YDIRFYMYEI LKALDYCHSM GIMHRDVKPH NVIMIDHEHRK LRLIDWGLAE FYHPGQEYNV RVASRYFKGP ELLVDYQMYD YSLDMWSLGC MLASMIFRKE PFFHGHNDYD QLVRIAKVLG TEDLYDYIDK YNIELDPRFN DILGRHSRKR WERFVHSENQ HLVSPALDF LDKLLRYDHQ SRLTAREAME HPYFYTVVKD QARMGSSSMP GGSTPVSSAN MMSGISSVPT PSPLGPLAGS PVIAAANPLG MPVPAAGAAQ Q
Sequence Length	391
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CSNK2A1 recombinant protein	Description: CK2A Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain encoding the sequence of 411 amino acids and having a molecular mass of 47.3 kDa. Casein Kinase 2 alpha subunit is purified by proprietary chromatographic techniques. Introduction: The Casein kinase 2 (EC2.7.11.1) is a serine/threonine-selective protein kinase that is a tetramer of two alpha subunits and two beta subunits. The alpha subunits have the catalytic kinase domain. Casein kinase 2 has been implicated in cell cycle control, DNA repair, regulation of the circadian rhythm and other cellular processes. Casein kinase 2 activity has been reported to be activated following Wnt signaling pathway activation. A Pertussis toxin-sensitive G protein and Dishevelled appear to be an intermediary between Wnt-mediated activation of the Frizzled receptor and activation of casein kinase 2. Mice that lack casein kinase 2 alpha prime have a defect in the morphology of developing sperm.
Product Categories/Family for CSNK2A1 recombinant protein	Protein Kinases; Enzymes; Casein Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503095
NCBI GeneID	1457
NCBI Accession #	NP_001886.1
NCBI GenBank Nucleotide #	NM_001895.3

UniProt Accession #	P68400 ; P19138 ; P20426 ; Q14013 ; Q5U065 ; B4DYS6 ; D3DVV8 ; Q8NEV1
Molecular Weight	29,181 Da
NCBI Official Full Name	casein kinase II subunit alpha isoform a
NCBI Official Synonym Full Names	casein kinase 2, alpha 1 polypeptide
NCBI Official Symbol	CSNK2A1
NCBI Official Synonym Symbols	CKII; CK2A1; CSNK2A3
NCBI Protein Information	casein kinase II subunit alpha; CK II alpha 3; CK2 catalytic subunit alpha; casein kinase II alpha 1 polypeptide pseudogene; casein kinase II alpha 1 subunit; protein kinase CK2
UniProt Protein Name	Casein kinase II subunit alpha
UniProt Gene Name	CSNK2A1
UniProt Synonym Gene Names	CK2A1; CK II alpha
UniProt Entry Name	CSK21_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/csnk2a1-recombinant-protein-e-coli/38394>