

## 32-2995: CSNK2A1 Recombinant Protein His

**Alternative Name :** Casein kinase II subunit alpha, EC 2.7.11.1, CK II, CK2A1, CKII alpha, CSNK2A1, PKCK2, CSK21.

### Description

Source : Escherichia Coli. 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. 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 Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	CSNK2A1 is supplied in 20mM Tris pH-8.0 , 500mM NaCl, 1mM DTT and 50% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MSGPVPSRAR VYTDVNTHRP REYWDYESHV VEWGNQDDYQLVRKLGKRGKY SEVFEAINIT NNEKVVVKIL KPVKKKKIKR EIKILENLRG GPNIITLADI VKDPSVRTPA LVFEHVNNTD FKQLYQTLTD YDIRFYMYEI LKALDYCHSM GIMHRDVKPH NVMIDHEHRK LRLIDWGLAE FYHPGQEYNV RVASRYFKGP ELLVDYQMYD YSLDMWLSLGC MLASMIFRKE PFFHGHNDYD QLVRIAKVLG TEDLYDYIDK YNIELDPRFN DILGRHSRKRWERFVHSENQ HLVSPALDF LDKLLRYDHQ SRLTAREAME HPYFYTVVKD QARMGSSSMP GGSTPVSSAN MMSGISSVPT PSPLGPLAGS PVIAAANPLG MPVPAAAGAQ Q.

