

## 32-2994: CSNK2A1 Recombinant Protein

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

### Description

Source : Escherichia Coli. Casein Kinase 2 alpha 1 Human Recombinant is a non-glycosylated polypeptide having a molecular mass of 45.1 kDa. Casein Kinase 2 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 99% as determined by SDS-PAGE.
<b>Content :</b>	CSNK2A1 is supplied in 25mM Tris-HCl, 500mM NaCl, 1mM DTT, 500µM PMSF, 50% glycerol, pH 8.5.
<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.

