

## 32-2992: CSNK1A1 Recombinant Protein

**Alternative Name :** Casein kinase I isoform alpha,CKI-alpha,CK1,CSNK1A1,HLCDGP1,PRO2975.

### Description

Source : E.coli. CSNK1A1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 357 amino acids (1-337) and having a molecular mass of 41kDa. CSNK1A1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Casein Kinase 1 alpha belongs is a member of the protein kinase superfamily, CK1 Ser/Thr protein kinase family, Casein kinase I subfamily. The CK1 isoforms - alpha, beta, gamma, delta, epsilon and their splice variants are involved in diverse cellular processes including membrane trafficking, circadian rhythm, cell cycle progression, chromosome segregation, apoptosis and cellular differentiation. Possibly CSNK1A1 can phosphorylate a large number of proteins and is involved in Wnt signaling where it phosphorylates CTNNB1 on Ser45. CSNK1A1 also interacts with the Axin complex.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 80% as determined by SDS-PAGE.
<b>Content :</b>	The CSNK1A1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MASSSGSKAE FIVGGKYKLV RKIGSGSFGD IYLAINITNG EEVAVKLESQ KARHPQLLYE SKLYKILQGG VGIPHIRWYG QEKDYNVLM DLLGPSLEDL FNFCRRFTM KTVLMLADQM ISRIEYVHTK NFIHRDIKPD NFLMGIGRHC NKLFLIDFGL AKKYRDNRTR QHIPYREDKN LTGTARYASI NAHLGIEQSR RDDMESLGYV LMYFNRTSLP WQGLKAATKK QKYEKISEKK MSTPVEVLCK GFPAEFAMYL NYCRGLRFEE APDYMYLRQL FRILFRTLNH QYDYTFDWTM LKQKAAQQA SSSGQGQQAQ TPTGKQTDKT KSNMKGK.