

**CSNK1A1, 1-337aa Human, His tag, E.coli**

**Cat.NO.: TP01741**

3th Edition

**Synonyms:**Casein kinase 1, alpha 1 , CK1, HLCDGP1, PRO2975

**Description:**Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. CSNK1A1 participates in Wnt signaling and phosphorylates CTNNB1 at 'Ser-45'. It may play a role in segregating chromosomes during mitosis. Recombinant human CSNK1a1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**41 kDa (357aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMASSSGSKAEFIVGGKYKLVRKIGSGSFGDIYLAINITNGEEVAVKLESQKARHPQ  
LLYESKLYKILQGGVGIPHIRWYGQEKDYNVLVMDLLGPSLEDLFNFCSSRRFTMKTVMMLADQMISRIEYVHTKNFIH  
RDIKPDNFLMGIGRHCNKLFLIDFGLAKKYRDNRTQRHIPYREDKNLTGTARYASINAHLGIEQSRRDDMESLGYVL  
MYFNRTSLPWQGLKAATKKQKYEKISEKKMSTPVEVLCKGFPAEFAMYLNYCRGLRFEEAPDYMRLRQLFRILFRT  
LNHQYDYTFDWTMLKQKAAQQAASSSGQGQQAQTPTGKQTDKTKSNMKGf

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.