

PKCK2, 1-391 aa

Cat.NO.: TP03418

3th Edition

Synonyms:Casein kinase II alpha 1 subunit isoform a, CSNK2A1, CK2A1, CKII.

Description:Protein Kinase Casein Kinase 2 (PKCK2, also called CK2) is a ubiquitous Ser/Thr kinase expressed in all eukaryotes. PKCK2 is a tetramer composed of two catalytic kinase domains, alpha subunits, and two identical regulatory beta subunits. It has been implicated in cell cycle control , DNA repair, regulation of the circadian rhythm, and other cellular processes. Recombinant human PKCK2, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 500 mM NaCl, 50% glycerol

Molecular Weight:47.3 kDa (411 aa), confirmed by MALDI-TOF

Sequences:

Purity:> 95% by HPLC

Concentration:1 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.