

CAMK2N2, 1-79aa, Human, His tag, E.coli

Cat.NO.: TP01414

3th Edition

Synonyms: Calcium/calmodulin-dependent protein kinase II, CAM-KIIN, CAMKIIN

Description: Calcium/calmodulin-dependent protein kinase II, also known as CAMK2N2, is potent and specific cellular inhibitor of CaM-kinase II (CAMK2). This protein may play an important role in the regulation of cell growth when overexpressed in colon adenocarcinoma LoVo cells. Recombinant human CAMK2N2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 11.0 kDa (102aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMSEILPYSEDKMGRFGADPEGSDLSFSCRLQDTNSFFAGNQAKRPPKLGQI
GRAKRVVIEDDRIDDLKGMGEKPPSGV

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.