

CAMK2N1, 1-78aa Human, His tag, E.coli

Cat.NO.: TP01412

3th Edition

Synonyms:calcium/calmodulin-dependent protein kinase II inhibitor 1, PRO1489; RP11-401M16.1

Description:CAMK2N1 belongs to the CAMK2N family. This protein interacts with CAMK2B; the presence of Ca²⁺/calmodulin increases the interaction but is not essential. It also interacts with CAMK2A; this interaction requires CAMK2A activation by Ca²⁺. CAMK2N1 is potent and specific inhibitor of CaM-kinase II (CAMK2). Recombinant human CAMK2N1 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, 20% glycerol, 1mM DTT

Molecular Weight:10.9kDa (101aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMSEVLPYGDEKLSPYGDGGDVGQIFSCRLQDTNFFGAGQNKRPPLGQI
GRSKRVVIEDDRIDDLKNMTDKAPPGV

Purity:> 95% by HPLC

Concentration:0.25 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.