

Recombinant human CAMK2N2 protein

Catalog Number: ATGP2776

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-79aa

UniProt No.

Q96S95

NCBI Accession No.

NP_150284

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

11.0 kDa (102aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MSEILPY SEDKMGRFGA DPEGSDLSFS CRLQDTNSFF AGNQAKRPPK

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LGQIGRAKRV VIEDDRIDDV LKGMGEKPPS GV

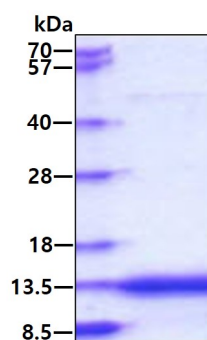
General References

Zhang J., et al. (2001) Biochem. Biophys. Res. Commun. 285:229-234

Ma S., et al. (2009) J. Biol. Chem. 284:24773-24782

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.