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# Recombinant human CAMK2N2 protein

Catalog Number: ATGP2776

#### **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-79aa

#### UniProt No.

096S95

# **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 CRLODTNSFF AGNOAKRPPK



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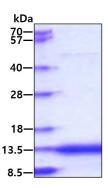
LGQIGRAKRV VIEDDRIDDV LKGMGEKPPS GV

#### **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.

