

Product datasheet for AR51596PU-N

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

CAMK2N2 (1-79, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: CAMK2N2 (1-79, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MGSMSEILPY SEDKMGRFGA DPEGSDLSFS CRLQDTNSFF

or AA Sequence: AGNQAKRPPK LGQIGRAKRV VIEDDRIDDV LKGMGEKPPS GV

Tag:His-tagPredicted MW:11.0 kDaConcentration:lot specific

Purity: >95% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM

DTT

Preparation: Liquid purified protein

Protein Description: Recombinant human CAMK2N2 protein, fused to His-tag at N-terminus, was expressed in

E.coli and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 150284

 Locus ID:
 94032

 UniProt ID:
 Q96S95

 Cytogenetics:
 3q27.1

Synonyms: CAM-KIIN; CAMKIIN

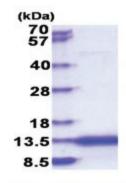




Summary:

This gene encodes a protein that is highly similar to the rat CaM-KII inhibitory protein, an inhibitor of calcium/calmodulin-dependent protein kinase II (CAMKII). CAMKII regulates numerous physiological functions, including neuronal synaptic plasticity through the phosphorylation of alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid-type glutamate (AMPA) receptors. Studies of the similar protein in rat suggest that this protein may function as a negative regulator of CaM-KII and may act to inhibit the phosphorylation of AMPA receptors. [provided by RefSeq, Jul 2008]

Product images:



15% SDS-PAGE (3ug)