

## **Product datasheet for AR51596PU-S**

# OriGene Technologies, Inc.

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

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** CAMK2N2 (1-79, His-tag) human recombinant protein, 0.1 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-tag
Predicted MW: 11.0 kDa
Concentration: 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

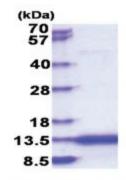




#### **Summary:**

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)