

Product datasheet for **AR51596PU-N**

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 or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSEILPY SEDKMGRFGA DPEGSDLSFS CRLQDTNSFF 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



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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: