

Recombinant Human CAMK2N2 Protein, MYC/DDK-tagged

Cat. No. CAMK2N2-2491H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAMK2N2 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	8.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	CAMK2N2 calcium/calmodulin-dependent protein kinase II inhibitor 2 [Homo sapiens]
Official Symbol	CAMK2N2
Synonyms	CAM-KIIN; CAMKIIN
Gene ID	94032
mRNA Refseq	NM_033259
Protein Refseq	NP_150284
MIM	608721
UniProt ID	Q96S95

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