

Recombinant Human CAMK2N2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CAMK2N2-5607H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CAMK2N2 MS Standard C13 and N15-labeled recombinant protein (NP_150284) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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.
Molecular Mass	8.7 kDa
AA Sequence	MSEILPYSEDKMGRFGADPEGSDLSFSCRLQDTNSFFAGNQAKRPPKLGQIGRAKRVVIEDDRIDDLVKGMGEKPPSGVTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

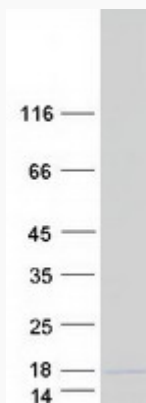
GENE INFORMATION

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

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SDS-PAGE

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