Recombinant Human CAMK2N1, His-tagged

Cat. No. CAMK2N1-5071H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CAMK2N1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	CAMK2N1 belongs to the CAMK2N family. This protein interacts with CAMK2B; the presence of Ca2+/calmodulin increases the interaction but is not essential. It also interacts with CAMK2A; this interaction requires CAMK2A activation by Ca2+. CAMK2N1 is potent and specific inhibitor of CaM-kinase II (CAMK2).
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	10.9kDa (101aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSEVLPY GDEKLSPYGD GGDVGQIFSC RLQDTNNFFG AGQNKRPPKL GQIGRSKRVV IEDDRIDDVL KNMTDKAPPG V
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot

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	and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	CAMK2N1 calcium/calmodulin-dependent protein kinase II inhibitor 1 [Homo sapiens (human)]
Official Symbol	CAMK2N1
Synonyms	CAMK2N1;PRO1489; RP11-401M16.1;calcium/calmodulin-dependent protein kinase II inhibitor 1;CaMKIINalpha;caMKIIN-alpha;caMKII inhibitory protein alpha
Gene ID	55450
mRNA Refseq	NM_018584.5
Protein Refseq	NP_061054.2
MIM	614986
UniProt ID	Q7Z7J9
Chromosome Location	1p36.12
Function	calcium-dependent protein kinase inhibitor activity;protein kinase binding

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