

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 Ca ²⁺ /calmodulin increases the interaction but is not essential. It also interacts with CAMK2A; this interaction requires CAMK2A activation by Ca ²⁺ . 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 RLQDTNFFFG AGQNKRPPLK GQIGRSKRVV IEDDRIDDLV 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

 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

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

 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