

Calcium/Calmodulin Dependent Protein Kinase II Inhibitor 1 Human Re-

Item Number	rAP-2932
Synonyms	PRO1489; RP11-401M16.1, Calcium/calmodulin-dependent protein kinase II inhibitor 1, CaMKII inhibitory protein alpha, CaMKIIN-alpha, CAMK2N1.
Description	CAMK2N1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 101 amino acids (1-78 a.a) and having a molecular mass of 10.9kDa. CAMK2N1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q7Z7J9
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSEVLPHY GDEKLSPYGD GGDVGGQIFSC RLQDTNFFG AGQNKRPPLK GQIGRSKRVV IEDDRIDDVL KNMTDKAPPG V.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	CAMK2N1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**