

Calcium/Calmodulin-Dependent Protein Kinase II Inhibitor 2 Human Re-

Item Number	rAP-1732
Synonyms	Calcium/calmodulin-dependent protein kinase II inhibitor 2, CAMK2N2, CaM-KII inhibitory protein, CaM-KIIN, CAMKIIN, Calcium/calmodulin-dependent protein kinase II.
Description	CAMK2N2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 102 amino acids (1-79a.a) and having a molecular mass of 11kDa. CAMK2N2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q96S95
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSEILPY SEDKMGRFGA DPEGS DLSFS CRLQDTNSFF AGNQAKRPPK LGQIGRAKRV VIEDDRIDDV LKGMGEKPPS GV.
Source	E.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	CAMK2N2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 95% 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**