



Recombinant Human Calcium/Calmodulin-Dependent Protein Kinase II Inhibitor I Datasheet

Catalog Number: PR27277

Product Type: Recombinant Protein

Source: E. Coli

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMSEVLPY GDEKLSPYGD GGDVGQIFSC RLQDTNFFG AGQNKRPPLK GQIGRSKRVV IEDDRIDDVL KNMTDKAPPG V.

Description/Molecular Mass: Calcium/Calmodulin Dependent Protein Kinase II Inhibitor 1 (CAMK2N1), which interacts with CAMK2B, is a part of the CAMK2N family. CAMK2N1 is also interacts with CAMK2A in a way which requires CAMK2A activation by Ca²⁺. CAMK2N1 is potent and specific inhibitor of CaM-kinase II (CAMK2).

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.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CAMK2N1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

Storage: 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.

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