
Product Data Sheet

Product Name: CAMK2N1 Human
 Cat. No.: GP22964
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PRO1489; RP11-401M16.1; Calcium/calmodulin-dependent protein kinase II inhibitor 1; CaMKII inhibitory protein alpha; CaMKIIN-alpha; CAMK2N1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSEVLPY GDEKLSPYGD GGDVGQIFSC RLQDTNFFG AGQNKRPPL GQIGRSKRVV IEDDRIDDVL KNMTDKAPPG V.		
Formulation	CAMK2N1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

Introduction

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).

Stability

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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