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## Product Data Sheet

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Product Name: CAMK2N2 Human  
 Cat. No.: GP22432  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | E.coli.                 |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Calcium/calmodulin-dependent protein kinase II inhibitor 2; CAMK2N2; CaM-KII inhibitory protein; CaM-KIIN; CAMKIIN; Calcium/calmodulin-dependent protein kinase II. |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSMSEILPY SEDKMGRFGA DPEGSDLFS CRLQDTNSFF AGNQAKRPPK LGQIGRAKRV VIEDDRIDDV LKGMGEKPPS GV.   |                    |                         |
| Formulation         | CAMK2N2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.  |                    |                         |

### Introduction

Calcium/Calmodulin-Dependent Protein Kinase II Inhibitor 2 (CAMK2N2) is a protein coding gene which regulates cell growth when overexpressed in colon adenocarcinoma LoVo cells. CAMK2N2 plays a role as a cellular 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

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.

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

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