

## Recombinant Mouse CAMK2N1 Protein (1-78 aa), His-SUMO-tagged

**Cat. No.** CAMK2N1-378M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse CAMK2N1 Protein (1-78 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length. |
| <b>Species</b>          | Mouse                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 1-78 aa                                                                                                                                                                                |
| <b>Description</b>      | Potent and specific inhibitor of CaM-kinase II (CAMK2).                                                                                                                                |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                        |
| <b>Molecular Mass</b>   | 24.5 kDa                                                                                                                                                                               |
| <b>AA Sequence</b>      | MSEVLPGDEKLSPYGDGGDVGQIFSCRLQDTNFFGAGQSKRPPKLGQIGRSKR<br>VVIEDDRIDDVLKTMMDKAPPGV                                                                                                       |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                       |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                           |

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**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with concentration instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** Camk2n1 calcium/calmodulin-dependent protein kinase II inhibitor 1 [ Mus musculus (house mouse) ]

**Official Symbol** CAMK2N1

**Synonyms** AI848599; AI891706; 1810006K23Rik;

**Gene ID** 66259

**mRNA Refseq** NM\_025451

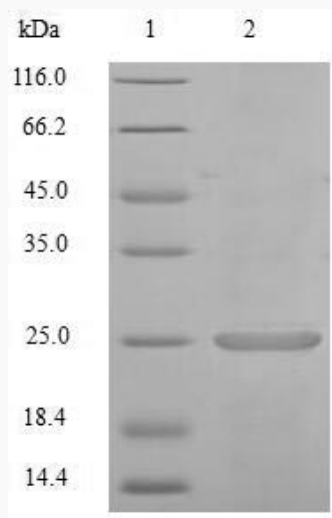
**Protein Refseq** NP\_079727

**UniProt ID** Q6QWF9

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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