

# Recombinant Rat Calm1 protein, His-tagged

**Cat. No.** Calm1-7971R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Calm1 aa. (Met1~Lys149) fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                                        |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Met1~Lys149                                                                                                                                                                                                                                                 |
| <b>Description</b>      | May mediate calcium-dependent modulation of KCNQ channels; exists in two alternative splice forms.                                                                                                                                                          |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 18.08 kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                               |
| <b>Purity</b>           | >97%                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                                                                                                     |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. |

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(Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage Buffer**

Supplied as lyophilized form in PBS, pH 7.4.

**Reconstitution**

Reconstitute in PBS.

## GENE INFORMATION

**Gene Name**

[Calm1 calmodulin 1 \[ Rattus norvegicus \(Norway rat\) \]](#)

**Official Symbol**

[Calm1](#)

**Synonyms**

Calm1; calmodulin 1; CaM1; Calm; Cam1; calmodulin-1; Calmodulin 1 (phosphorylase kinase, delta); caM; calmodulin I

**Gene ID**

[24242](#)

**mRNA Refseq**

[NM\\_031969.2](#)

**Protein Refseq**

[NP\\_114175.1](#)

**UniProt ID**

[P0DP29](#)

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