

## Recombinant Rat Grem1 protein, His-SUMO-tagged

**Cat. No.** Grem1-2991R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Grem1 protein(O35793)(25-184aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.                                                                                                                  |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 25-184aa                                                                                                                                                                                                                              |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 34.2 kDa                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | KKKGSQGAIPPPDKAQHNDSEQTQSPQPGRTRGRGQGRGTAMPGEEVLESSQ<br>EALHVTERKYLKRDWCKTQPLKQTIHEEGCNSRTIINRFCYGCNSFYIPRHIRKEEG<br>SFQSCSFCKPKKFTTMMVTLNCPQLPPTKKKRVTTRVKQCRCISIDLD                                                                 |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                        |

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**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

**GENE INFORMATION**

**Gene Name** [Grem1 gremlin 1 \[ Rattus norvegicus \]](#)

**Official Symbol** [Grem1](#)

**Synonyms** GREM1; gremlin 1; gremlin-1; gremlin 1 homolog, cysteine knot superfamily; cysteine knot superfamily 1, BMP antagonist 1; down-regulated in Mos-transformed cells protein; drm; Cktsf1b1;

**Gene ID** [50566](#)

**mRNA Refseq** [NM\\_019282](#)

**Protein Refseq** [NP\\_062155](#)

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