

# Recombinant Rat Grem1 protein, His&Myc-tagged

**Cat. No.** Grem1-2224R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Grem1 protein(O35793)(25-184aa), fused to N-terminal His tag and C-terminal Myc tag, was expressed in Insect Cell.                                                                                                    |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                   |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                          |
| <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>   | 22.2 kDa                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | KKKGSQGAIPPPDKAQHNDSEQTQSPPQPGSRTRGRGQGRGTAMPGEEVLESSQ<br>EALHVTERKYLKRDWCKTQPLKQTIHEEGCNSRTIINRFCYGCNSFYIPRHIRKEEG<br>SFQSCSFCKPKKFTTMMVTLNCPQLPPTKKKRVTRVKQCRCISIDLD                                                                |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20°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%. Customers could use it as reference.

**GENE INFORMATION**

|                  |                                              |
|------------------|----------------------------------------------|
| <b>Gene Name</b> | Grem1 gremlin 1 [ <i>Rattus norvegicus</i> ] |
|------------------|----------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | Grem1 |
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|                 |                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | 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; |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                |       |
|----------------|-------|
| <b>Gene ID</b> | 50566 |
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| <b>mRNA Refseq</b> | NM_019282 |
|--------------------|-----------|

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| <b>Protein Refseq</b> | NP_062155 |
|-----------------------|-----------|

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