

## Recombinant Rat Gmnn protein, His & T7-tagged

**Cat. No.** Gmnn-7839R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Gmnn aa. (Lys8~Thr206 (Accession # D3ZWJ0)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                               |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Lys8~Thr206                                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 38kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                        |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                                                        |
| <b>Characteristic</b>   | The isoelectric point is 4.6.                                                                                                                                                                                                                                                                                                               |
| <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. (Referring from China Biological Products Standard, which was calculated by the |

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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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

**Reconstitution**

Reconstitute in sterile ddH<sub>2</sub>O.

## GENE INFORMATION

**Gene Name**

Gmnn geminin, DNA replication inhibitor [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Gmnn

**Synonyms**

THBS4; thrombospondin 4; TSP4; TSP-4; thrombospondin-4

**Gene ID**

291137

**mRNA Refseq**

NM\_001106112.1

**Protein Refseq**

NP\_001099582.1

**UniProt ID**

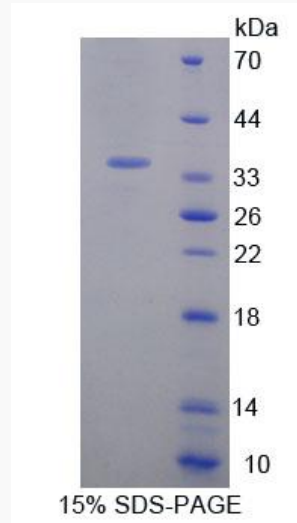
D3ZWJ0

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**SDS-PAGE**



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