

## Recombinant Rat Slit1 protein, His-tagged

**Cat. No.** Slit1-7996R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Slit1 aa. (Leu3~Glu112 (Accession # O88279)) fused with N-terminal His tag was produced in E. coli cells.                                                                        |
| <b>Species</b>          | Rat                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Leu3~Glu112                                                                                                                                                                                      |
| <b>Description</b>      | Homolog of Drosophila slit; may play a role in protein-protein interactions during midline formation in the central nervous system; specifically expressed in fetal and adult forebrain neurons. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 15kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                             |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                    |
| <b>Purity</b>           | >95%                                                                                                                                                                                             |
| <b>Characteristic</b>   | The isoelectric point is 7.1.                                                                                                                                                                    |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                                          |

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| <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 Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b> | Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                 |

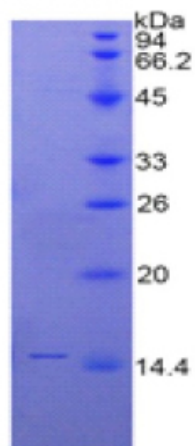
## GENE INFORMATION

|                        |                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Slit1 slit guidance ligand 1 [ Rattus norvegicus (Norway rat) ]                                                                                                                                                     |
| <b>Official Symbol</b> | Slit1                                                                                                                                                                                                               |
| <b>Synonyms</b>        | Slit1; slit guidance ligand 1; MEGF4; slit homolog 1 protein; multiple EGF-like domains protein 4; multiple epidermal growth factor-like domains 4; multiple epidermal growth factor-like domains protein 4; slit-1 |
| <b>Gene ID</b>         | 65047                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_022953.2                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_075242.1                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | O88279                                                                                                                                                                                                              |

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**SDS-PAGE****Rat Slit1**

15% SDS-PAGE

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