

## Recombinant Mouse Prss12 protein, His & T7-tagged

**Cat. No.** Prss12-6907M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Prss12 aa. (Gly153~Val399 (Accession # O08762)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Gly153~Val399                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 30.9kDa                                                                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                |
| <b>Characteristic</b>   | The isoelectric point is 6.1.                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                                                                                                                                                                             |
| <b>Stability</b>        | The thermal stability is described by the loss rate. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

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|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <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, pH7.4, containing 5% sucrose, 0.01% sarcosyl.                         |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                  |

## GENE INFORMATION

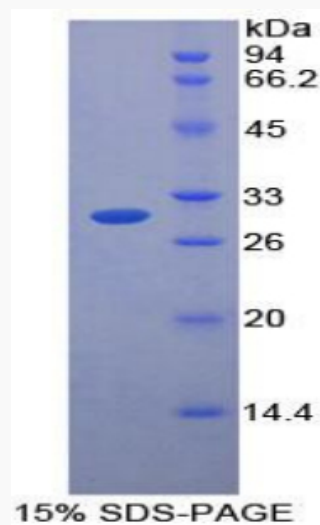
|                        |                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Prss12 protease, serine 12 neurotrypsin (motopsin) [ <i>Mus musculus</i> (house mouse) ]                                                  |
| <b>Official Symbol</b> | <a href="#">Prss12</a>                                                                                                                    |
| <b>Synonyms</b>        | Prss12; protease, serine 12 neurotrypsin (motopsin); Bssp-3; motopsin; neurotrypsin; brain-specific serine protease 3; serine protease 12 |
| <b>Gene ID</b>         | <a href="#">19142</a>                                                                                                                     |
| <b>mRNA Refseq</b>     | <a href="#">NM_008939.2</a>                                                                                                               |
| <b>Protein Refseq</b>  | <a href="#">NP_032965.1</a>                                                                                                               |
| <b>UniProt ID</b>      | <a href="#">O08762</a>                                                                                                                    |

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SDS-PAGE



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