

# Recombinant Rat Mmp12 Protein, His-tagged

**Cat. No.** Mmp12-604R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Mmp12(Pro270~Arg362) fused with His tag at N-terminal was expressed in E. coli.                     |
| <b>Species</b>          | Rat                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                              |
| <b>ProteinLength</b>    | Pro270~Arg362                                                                                                       |
| <b>Description</b>      | Mmp12 played an important role in many functions.                                                                   |
| <b>Form</b>             | 20mM Tris, 150mM NaCl,pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                  |
| <b>Molecular Mass</b>   | 12.2kDa                                                                                                             |
| <b>Identity</b>         | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                   |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                        |
| <b>Purity</b>           | > 97%                                                                                                               |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein |

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|                       |                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 centigrade 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. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | Reconstitute in PBS or others                                                                                                                                                                                                                                                                                                                |

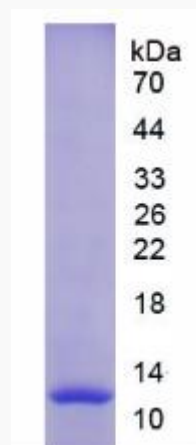
## GENE INFORMATION

|                        |                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Mmp12 matrix metalloproteinase 12 [ Rattus norvegicus ]</a>                                                                |
| <b>Official Symbol</b> | <a href="#">Mmp12</a>                                                                                                                  |
| <b>Synonyms</b>        | MMP12; matrix metalloproteinase 12; macrophage metalloelastase; MMP-12; matrix metalloproteinase 12; matrix metalloproteinase-12; Mmp; |
| <b>Gene ID</b>         | <a href="#">117033</a>                                                                                                                 |
| <b>mRNA Refseq</b>     | <a href="#">NM_053963</a>                                                                                                              |
| <b>Protein Refseq</b>  | <a href="#">NP_446415</a>                                                                                                              |

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