

## Recombinant Rat MMP7 Protein (98-267 aa), His-tagged

**Cat. No.** MMP7-1458R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat MMP7 Protein (98-267 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein. |
| <b>Species</b>          | Rat                                                                                                                                                                                            |
| <b>Source</b>           | Yeast                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 98-267 aa                                                                                                                                                                                      |
| <b>Description</b>      | Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase.                                                                                               |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                |
| <b>Molecular Mass</b>   | 20.9 kDa                                                                                                                                                                                       |
| <b>AA Sequence</b>      | FSLMPNSPKWHSRTVTYRIVSYTTDLPRFLVDQIVKRALRMWSMQIPLNFKRVSWG<br>TADIIIGFARGDHDGDNFPFDGPGNTLGHAFAFGPGLGGDAHFDKDEYWTGDGDSGV<br>NFLFVATHELGHSLGLGHSSVPSSVMYPTYQGDHSEDFSLTKDDIAGIQKLYGKRNL             |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                               |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4                                                                                                                  |

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centigrade for up to one week.

**Storage**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration**

A hardcopy of COA with reconstitution instruction is sent along with the products.

## GENE INFORMATION

**Gene Name**

Mmp7 matrix metalloproteinase 7 [ Rattus norvegicus ]

**Official Symbol**

MMP7

**Synonyms**

MMP7; matrilysin; MMP-7; matrin; pump-1 protease; MPMM;

**Gene ID**

25335

**mRNA Refseq**

NM\_012864

**Protein Refseq**

NP\_036996

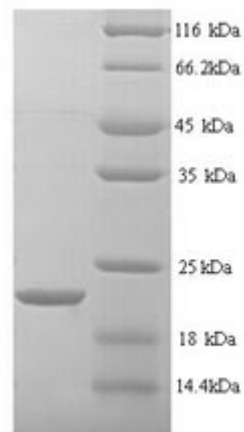
**UniProt ID**

P50280

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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