

## Active Recombinant Mouse MMP9 protein, His-tagged

**Cat. No.** MMP9-1312M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse MMP9 protein(Ala 20 - Pro 471), fused with His tag, was expressed in HEK293.                                                                                                         |
| <b>Species</b>          | Mouse                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Ala 20 - Pro 471                                                                                                                                                                                       |
| <b>Form</b>             | Supplied as 0.2 µm filtered solution in 25 mM Tris, 150 mM NaCl, pH7.5, 50% Glycerol with trehalose as protectant.                                                                                     |
| <b>Bio-activity</b>     | Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH <sub>2</sub> . The specific activity is >1,500 pmol/min/µg.                                                    |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 52.0 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                             |
| <b>Purity</b>           | >95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.                                                                                                                                        |
| <b>Storage</b>          | For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at:                                          |

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-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [Mmp9 matrix metalloproteinase 9 \[ Mus musculus \]](#)

**Official Symbol** [MMP9](#)

**Synonyms**

MMP9; matrix metalloproteinase 9; matrix metalloproteinase-9; GELB; Gel B; gelatinase B; 92kD gelatinase; 92kDa gelatinase; 92 kDa gelatinase; collagenase type IVB; 92kD type IV collagenase; 92kDa type IV collagenase; 92 kDa type IV collagenase; matrix metalloproteinase 9; Clg4b; MMP-9; B/MMP9; AW743869; pro-MMP-9;

**Gene ID** [17395](#)

**mRNA Refseq** [NM\\_013599](#)

**Protein Refseq** [NP\\_038627](#)

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