

## Active Recombinant Mouse MMP2 protein, His-tagged

Cat. No. MMP2-0391M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse MMP2 protein(Ala30-Thr460), fused with His tag, was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	30-460 a.a.
<b>Form</b>	Supplied as 0.2 µm filtered solution in 50 mM Tris, 150 mM NaCl, 20% glycerol, pH7.5 with trehalose as protectant.
<b>Bio-activity</b>	Bioactivity 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/g.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 50.0 kDa. The protein migrates as 50-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Ala30-Thr460
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>85% as determined by SDS-PAGE.

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**Storage** 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: -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** [Mmp2 matrix metalloproteinase 2 \[ Mus musculus \]](#)

**Official Symbol** [MMP2](#)

**Synonyms** MMP2; matrix metalloproteinase 2; 72 kDa type IV collagenase; gelatinase A; 72kD gelatinase; 72kDa gelatinase; 72 kDa gelatinase; 72kD type IV collagenase; 72kDa type IV collagenase; matrix metalloproteinase 2; matrix metalloproteinase-2; GelA; Clg4a; MMP-2;

**Gene ID** [17390](#)

**mRNA Refseq** [NM\\_008610](#)

**Protein Refseq** [NP\\_032636](#)

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