

Active Recombinant Mouse MMP2 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse MMP2 protein(Ala30-Thr460), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	30-460 a.a.
Form	Supplied as 0.2 µm filtered solution in 50 mM Tris, 150 mM NaCl, 20% glycerol, pH7.5 with trehalose as protectant.
Bio-activity	BioactivityMeasured by its ability to cleave the fluorogenic peptide substrate Mca-PLGL-Dpa-AR-NH2. The specific activity is >1,500 pmol/min/g.
Molecular Mass	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.
Proteinlength	Ala30-Thr460
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>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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