

Recombinant Mouse Mmp2 Protein, His-tagged

Cat. No. Mmp2-1019M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Mmp2 (NP_032636.1) (Met409-Cys622) was expressed with a polyhistidine tag at the N-terminus.
Species	Mouse
Source	HEK293
ProteinLength	409-622 a.a.
Predicted N Terminal	His
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse Mmp2 consists 273 amino acids and predicts a molecular mass of 30.9 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 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-

Gene ID [17390](#)

mRNA Refseq [NM_008610](#)

Protein Refseq [NP_032636](#)

MIM

UniProt ID

Pathway Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; GnRH signaling pathway, organism-specific biosystem; GnRH signaling pathway, conserved

Function fibronectin binding; hydrolase activity; metal ion binding; metalloendopeptidase activity; metalloproteinase activity; peptidase activity; zinc ion binding;

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