

Active Recombinant Mouse MMP9 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse MMP9 protein(Ala 20 - Pro 471), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Ala 20 - Pro 471
Form	Supplied as 0.2 µm filtered solution in 25 mM Tris, 150 mM NaCl, pH7.5, 50% Glycerol with trehalose as protectant.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH ₂ . The specific activity is >1,500 pmol/min/µg.
Molecular Mass	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.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
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:

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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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