

## Recombinant Human MMP9 protein, His-Avi-tagged

Cat. No. MMP9-780H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MMP9 protein(P14780)(Ala20-Asp707), fused with C-terminal His and Avi tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala20-Asp707
<b>Tag</b>	C-His-Avi
<b>Form</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human MMP-9, His Tag at 1ug/ml (100ul/Well) on the plate. Dose response curve for Anti-MMP-9 Antibody, hFc Tag with the EC50 of 6.5ng/ml determined by ELISA.
<b>Molecular Mass</b>	The protein has a predicted MW of 79.3 kDa. Due to glycosylation, the protein migrates to 85-100 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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**Storage** Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**Reconstitution** Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** MMP9 matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) [ Homo sapiens ]

**Official Symbol** MMP9

**Synonyms** MMP9; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); CLG4B, matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV collagenase) , matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); matrix metalloproteinase-9; 92 kDa gelatinase; type V collagenase; macrophage gelatinase; 92 kDa type IV collagenase; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); GELB; CLG4B; MMP-9; MANDP2;

**Gene ID** 4318

**mRNA Refseq** NM\_004994

**Protein Refseq** NP\_004985

**MIM** 120361

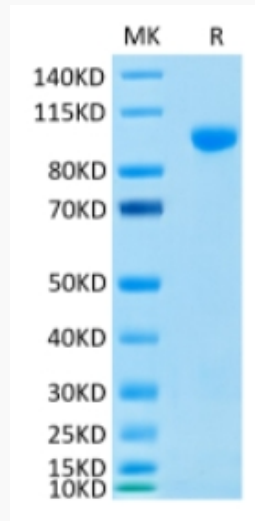
**UniProt ID** P14780

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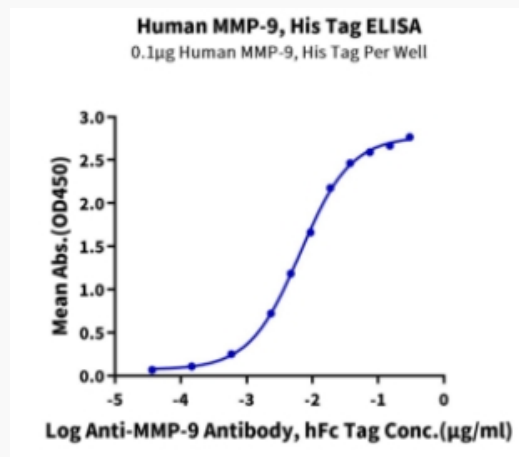
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**Tris-Bis PAGE**



**ELISA Data**



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