

Active Recombinant Human MMP9 protein, His-Avi-tagged, Biotinylated, Low Endotoxin

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

SPECIFICATION

Product Overview	Biotinylated Recombinant Human MMP9 protein(P14780)(20-707 aa), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-707 aa
Conjugation/Label	Biotin
Form	Lyophilized from 0.22 µm filtered solution in 50mM Tris, 10mM CaCl ₂ , 150mM NaCl, 0.05% Brij-35 (w/v) (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human MMP-9, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-MMP-9 Antibody, hFc Tag with the EC ₅₀ of 13.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 79.3 kDa. Due to glycosylation, the protein migrates to 95-105 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.

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Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	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

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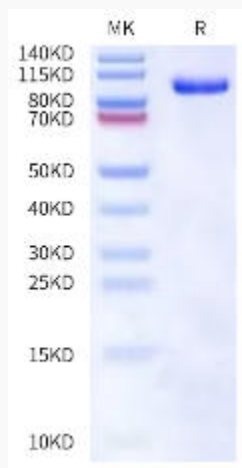
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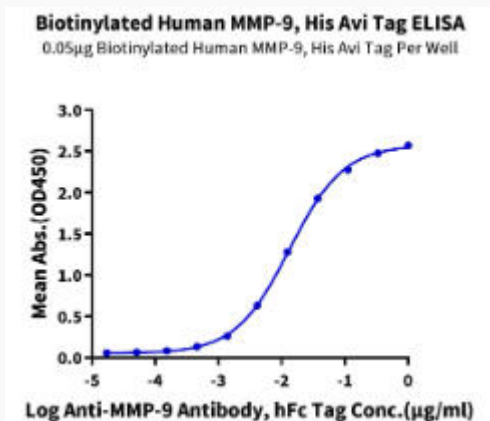
UniProt ID

P14780

Bis-Tris PAGE



ELISA Data



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