

Active Recombinant Human MMP8 protein, His-tagged, Low Endotoxin

Cat. No. MMP8-648H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP8 protein(P22894)(Phe21-Gly467), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	21-467 aa
Form	Lyophilized from 0.22µm filtered solution in 50mM Tris, 10mM CaCl ₂ , 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human MMP-8, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-MMP-8 Antibody, hFc Tag with the EC ₅₀ of 4.66µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 52.2 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

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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 [MMP8 matrix metalloproteinase 8 \(neutrophil collagenase\) \[Homo sapiens \]](#)

Official Symbol [MMP8](#)

Synonyms MMP8; matrix metalloproteinase 8 (neutrophil collagenase); CLG1, matrix metalloproteinase 8 (neutrophil collagenase); neutrophil collagenase; PMNL collagenase; matrix metalloproteinase-8; matrix metalloproteinase 8 (neutrophil collagenase); HNC; CLG1; MMP-8; PMNL-CL;

Gene ID [4317](#)

mRNA Refseq [NM_002424](#)

Protein Refseq [NP_002415](#)

MIM [120355](#)

UniProt ID [P22894](#)

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