

Active Recombinant Human Full Length MMP8 Protein, His-tagged, Low Endotoxin

Cat. No. MMP8-2529H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human Full Length MMP8 Protein(NP_002415.1) (Met 1-Gly 467) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-467 aa
Bio-activity	1.Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH2. The specific activity is > 250 pmoles/minµg.(Activation description: The proenzyme needs to be activated by APMA for an activated form) 2.Immobilized Recombinant Human MMP8 / CLG1 Protein (His Tag) at 1 µg/mL (100 µL/well) can bind Anti-MMP-8 Antibody, Rabbit Polyclonal, the EC50 is 1.7 ng/mL.
Molecular Mass	The recombinant human MMP8 consists of 458 amino acids after removal of the signal peptide and has a predicted molecular mass of 52.6 kDa.
Endotoxin	< 0.5 EU per mg protein.
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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 [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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