

Active Recombinant Human MMP8 protein

Cat. No. MMP8-1132H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human MMP8 protein(NP_002415.1) (Phe 21-Gly 467) was expressed and purified in HEK293, with an initial Met at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	21-467 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH ₂ . The specific activity is > 400 pmoles/min/μg.
Molecular Mass	The recombinant human MMP8 consisting of 448 amino acids and has a calculated molecular mass of 52 kDa. It migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 92 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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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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