

Recombinant Full Length Human MMP8 Protein, GST-tagged

Cat. No. MMP8-6281HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MMP8 full-length ORF (NP_002415.1, 1 a.a. - 467 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	467 amino acids
Description	<p>Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq</p>
Molecular Mass	79.8 kDa
AA Sequence	<p>MFSLKTLPFLLLLHVQISKAFPVSSKEKNTKTVQDYLEKFYQLPSNQYQSTRKNGTN VIVEKLKEMQRFFGLNVTGKPNEETLDMMKKPRCGVPDSSGGFMLTPGNPKWERTN LTYRIRNYTPQLSEAEVERAIKDAFELWSVASPLIFTRISQGEADINIAFYQRDHGDNS PFDGPNGLAHAFQPGQGIGGDAHFDAEETWTNTSANYNLFVAAHEFGHSLGLAH</p>

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SSDPGALMYPNYAFRETSNYSLPQDDIDGIQAIYGLSSNPIQPTGPSTPKPCDPSLTF
 DAITTLRGEILFFKDRYFWRRHPQLQRVEMNFISLFWPSLPTGIQAAYEDFDRDLIFLF
 KGNQYWALSGYDILQGYPKDISNYGFPSSVQAIDAAVFYRSKTYFFVNDQFWRYDN
 QRQFMPEGYPKISGAFPGIESKVDVAVFQQEHFFHVFSGPRYYAFDLIAQRVTRVAR
 GNKWLNCRYG

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)


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Protein Refseq	NP_002415
MIM	120355
UniProt ID	P22894

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