

Recombinant Human MMP8 Protein, GST-tagged

Cat. No. MMP8-5437H **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	Wheat Germ
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 VIVEKLKEMQRFFGLNVTGKPNEETLDMKKPRCGVPDSSGGFMLTPGNPKWERTN LTYRIRNYTPQLSEAEVERAIKDAFELWSVASPLIFTRISQGEADINIAFYQRDHGDNS PFDGPNGLAHAFQPGQGIGGDAHFDAEETWTNTSANYNLFLVAAHEFGHSLGLAH SSDPGALMYPNYAFRETSNYSLPQDDIDGIQAIYGLSSNPIQPTGPSTPKPCDPSLTF</p>

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DAITTLRGEILFFKDRYFWRRHPQLQRVEMNFISLFWPSLPTGIQAAYEDFDRDLIFLF
 KGNQYWALSGYDILQGYPKDISNYGFPSSVQAIDAAVFYRSKTYFFVNDQFWRYDN
 QRQFMEPGYPKSISGAFPGIESKVDVAVFQQEHFFHVFSGPRYYAFDLIAQRVTRVAR
 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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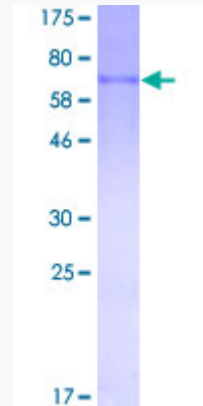
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Protein Refseq NP_002415

MIM 120355

UniProt ID P22894

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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