

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	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]
Molecular Mass	79.8 kDa
AA Sequence	MFSLKTLPFLLLLHVQISKAPVSSKEKNTKTVQDYLEKFYQLPSNQYQSTRKNGTN VIVEKLKEMQRFFGLNVTGKPNEETLDMKKPRCGVPDSSGGFMLTPGNPKWERTN LTYRIRNYTPQLSEAEVERAIKDAFELWSVASPLIFTRISQGEADINIAFYQRDHGDN S PFDGPNGILAHAFQPGQGIGGDAHFDAEETWTNTSANYNLFLVAAHEFGHSLGLAH

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SSDPGALMYPNYAFRETSNYSLPQDDIDGIQAIYGLSSNPIQPTGPSTPKPCDPSLTF
DAITTLRGEILFFKDRYFWRRHPQLQRVEMNFISLFWPSLPTGIQAAYEDFDRDLIFLF
KGNQYWALSGYDILQGYPKDISNYGFPSSVQAIDAAVFYRSKTYFFVNDQFWRYDN
QRQFMEPGYPKSISGAFPGIESKVDVAFQQEHHFHVFSGPRYYAFDLIAQRVTRVAR
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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