

Recombinant Full Length Human MMP9 Protein, GST-tagged

Cat. No. MMP9-6282HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MMP9 full-length ORF (AAH06093.1, 1 a.a. - 707 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	707 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. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq]</p>
Molecular Mass	103.4 kDa
AA Sequence	<p>MSLWQPLVLLVLLVGGCFAAPRQRQSTLVLFPGDLRTNLTDRQLAEEYLYRYGYTR VAEMRGESKSLGPALLLLQKQLSLPETGELDSATLKAMRTPRCGV PDLGRFQT FEG DLKWHHHNITYWIQNYSEDL PRAVIDDAFARAFALWSAVTPLTFTRVYSRDADIVIQF GVAEHGDGYFPDGDGKDLLAHAFPPGPGIQGDAHFDDDELWSLGKGVVVPTRFGNA</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DGAACHFPFIFEGRSYSACTTDGRSDGLPWCSTTANYDTDDRFGFCPSERLYTRD
 GNADGKPCQFPFIFQGSYSACTTDGRSDGYRWCATTANYDRDKLFGFCPTRADS
 TVMGGNSAGELCVFPFTFLGKEYSTCTSEGRGDGRLWCATTSNFSDKKGWFCPD
 QGYSLFLVAAHEFGHALGLDHSSVPEALMYPMYRFTEGPPLHKDDVNGIRHLYGPR
 PEPEPRPPTTTTPQPTAPPTVCPTGPPTVHPSERPTAGPTGPPSAGPTGPPTAGPS
 TATTVPLSPVDDACNVNIFDAIAEIGNQLYLFKDGKYWRFSEGRGSRPQGPFLIADK
 WPALPRKLDVFEELSKKLFFFSGRQVWVYTGASVLGPRRLDKLGLGADVAQVTG
 ALRSGRGKMLLFSGRRLWRFDVKAQMVDPRSASEVDRMFPGVPLDTHDVFQYRE
 KAYFCQDRFYWRVSSRSELNQVDQVGYVTYDILQCPED

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
 MMP9 matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) [Homo sapiens]

Official Symbol
 MMP9

Synonyms
 MMP9; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); CLG4B, matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV collagenase) , matrix metalloproteinase 9 (gelatinase B, 92kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

gelatinase, 92kDa type IV collagenase); matrix metalloproteinase-9; 92 kDa gelatinase; type V collagenase; macrophage gelatinase; 92 kDa type IV collagenase; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); GELB; CLG4B; MMP-9; MANDP2;

Gene ID 4318

mRNA Refseq NM_004994

Protein Refseq NP_004985

MIM 120361

UniProt ID P14780

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA