

## Recombinant Full Length human MMP9 protein, His-tagged

Cat. No. MMP9-23HFL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length human MMP9 protein, with His tag, was expressed in Baculovirus.
<b>Species</b>	Human
<b>Source</b>	His
<b>ProteinLength</b>	20-707 aa
<b>Tag</b>	His
<b>Description</b>	MMP9, also known matrix metalloproteinase-9, is one of the matrix metalloproteinases superfamily which is zinc and calcium dependent endopeptidases with the combined ability to degrade all the components of the extracellular matrix. It degrades many substrates such as gelatin, collagens, elastin and proteoglycan core protein which appears to be involved in invasive ability. This protein also plays an essential role in leukocyte migration and in bone osteoclastic resorption. It plays an important role in angiogenesis and neovascularization and so appears to be involved in the remodeling associated with malignant glioma neovascularization. Recombinant human MMP9 protein, fused to His-tag, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Molecular Mass</b>	77.1 kDa
<b>AA Sequence</b>	APRQRQSTLV LFPGDLRTNL TDRQLAEEYL YRYGYTRVAE MRGESKSLGP

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



ALLLLQKQLS LPETGELDSA TLKAMRTPRC  
GVPDLGRFQT FEGDLKWHHH NITYWIQNYS EDLPRAVIDD AFARAFALWS  
AVTPLTFTRV YSRDADIVIQ FGVAEHGDGY  
PFDGKDGLLA HAFPPGPGIQ GDAHFDDDEL WSLGKGVVVP TRFGNADGAA  
CHFPFIFEGR SYSACTTDGR SDGLPWCSTT  
ANYDTDDRFG FCPSERLYTQ DGNADGKPCQ PPFIFQGQSY SACTTDGRSD  
GYRWCATTAN YDRDKLFGFC PTRADSTVMG  
GNSAGELCVF PFTFLGKEYS TCTSEGRGDG RLWCATTSNF DSDKKWGFPC  
DQGYSLFLVA AHEFGHALGL DHSSVPEALM  
YPMYRFTEGP PLHKDDVNGI RHLYGPRPEP EPRPPTTTTP QPTAPPTVCP  
TGPPTVHPSE RPTAGPTGPP SAGPTGPPTA  
GPSTATTVPL SPVDDACNVN IFDAIAEIGN QLYLFKDGKY WRFSEGRGSR  
PQGPFLIADK WPALPRKLDS VFEERLSKKL  
FFFSGRQVWV YTGASVLGPR RLDKLGLGAD VAQVTGALRS GRGKMLLFSG  
RRLWRFDVKA QMVDPRSASE  
VDRMFPGVPL DTHDVFQYRE KAYFCQDRFY WRVSSRSELN QVDQVGYVTY  
DILQCPED

**Purity** > 90% by SDS-PAGE

**Applications** SDS-PAGE

**Notes** For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

**Storage** Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5mg/ml (determined by absorbance at 280nm)

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

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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

<b>Storage Buffer</b>	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
<b>GeneID</b>	<a href="#">4318</a>
<b>References</b>	Lee YD., et al, (2014) BMB Rep. 47:262-267. Matin S., et al, (2018) Int J Chron Obstruct Pulmon Dis. 13:1449-1454.

## GENE INFORMATION

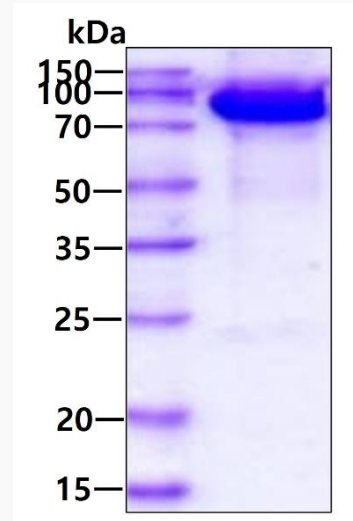
<b>Gene Name</b>	<a href="#">MMP9 matrix metalloproteinase 9 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">MMP9</a>
<b>Synonyms</b>	Matrix metalloproteinase-9, MMP-9, CLG4B, GELB, MANDP2, Gelatinase B, 92kDa gelatinase, 92kDa type IV collagenaseANDP2, MMP9
<b>mRNA Refseq</b>	<a href="#">NM_004994</a>
<b>Protein Refseq</b>	<a href="#">NP_004985</a>
<b>MIM</b>	<a href="#">120361</a>
<b>UniProt ID</b>	<a href="#">P14780</a>

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


 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

3ug by SDS-PAGE  
under reducing  
condition and  
visualized by  
coomassie blue  
stain.



SDS-PAGE

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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