

MMP-9 Protein (pro form) Recombinant Protein | MMP-9 recombinant protein

Biotinylated Human MMP-9 Protein (pro form) Recombinant

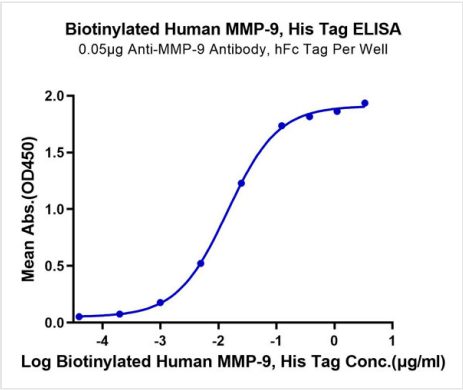
CATALOG #
AAA76158

PRODUCT SYNONYMS

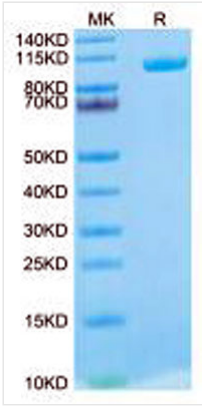
MMP-9 Protein (pro form); Biotinylated Human MMP-9 Protein (pro form) Recombinant; MMP-9 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	>95% as determined by SDS-PAGE and HPLC
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug(1EU/ug).
Presentation	Recombinant Human MMP-9 (pro form) was lyophilized from 0.2 um filtered PBS solution pH7.4
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	Form: Lyophilized Conditions: -20C Stability: 24 Months Form: Lyophilized Conditions: Ambient Stability: 3 Weeks Form: Reconstituted Conditions: -20C Stability: 12 Months Form: Reconstituted Conditions: 2-8C Stability: 3 Weeks (*)For long term storage we recommend the addition of a carrier protein at 0.1%. (*)Avoid repeated freeze/thaw cycles.



ELISA
Immobilized Anti-MMP-9 Antibody, hFc Tag at 0.5ug/ml (100ul/well) on the plate. Dose response curve for Biotinylated Human MMP-9, His Tag with the EC50 of 14.3ng/ml determined by ELISA



Tris-Bis-PAGE
Biotinylated Human MMP-9 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Related Product Information for MMP-9 recombinant protein	DNA sequence encoding Human MMP-9 (pro form) including a C-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVItag biotinylation technology. Recombinant Human MMP-9 (pro form) is a protein consisting of amino acid residues [Ala20-Asp707] ,The protein has a predicted MW of 79.3 kDa. Due to glycosylation, the protein migrates to 95-105 kDa based on Tris-Bis PAGE result..
Product Categories/Family for MMP-9 recombinant protein	Biotinylated proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	74272287
NCBI GeneID	4318
NCBI Accession #	NP_004985.2
NCBI GenBank Nucleotide #	NM_004994.2
UniProt Accession #	P14780; P01730 CD4_HUMAN; P80188 NGAL_HUMAN
NCBI Official Full Name	matrix metalloproteinase-9 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)
NCBI Official Symbol	MMP9
NCBI Official Synonym Symbols	GELB; CLG4B; MMP-9; MANDP2
NCBI Protein Information	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)
UniProt Protein Name	Matrix metalloproteinase-9
UniProt Gene Name	MMP9
UniProt Synonym Gene Names	CLG4B; MMP-9; GELB
UniProt Entry Name	MMP9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

