

MMP-8 recombinant protein

Recombinant Human MMP-8 Protein

CATALOG #
AAA283402

HOST
HEK293 cells

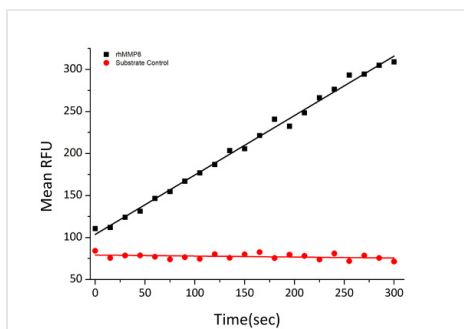
PRODUCT SYNONYMS

MMP-8; Recombinant Human MMP-8 Protein; PMNL-CL; CLG1; MMP8; Collagenase 2; HNC; MMP-8 recombinant protein

PRODUCT SPECIFICATIONS

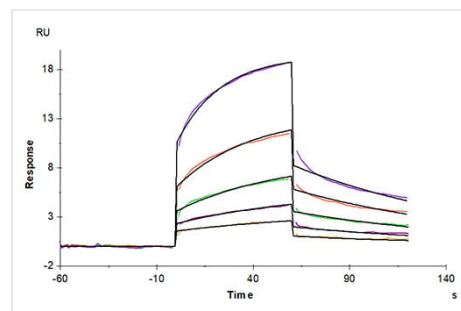
Host	HEK293 cells
Purity/Purification	>95% as determined by Tris-Bis PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution of 50mM Tris, 10 mM CaCl ₂ , 150 mM NaCl, pH7.5. Contact us for customized product form or formulation.
Sequence	FPVSSKEKNT KTVQDYLEKF YQLPSNQYQS TRKNGTNVIV EKLKEMQRFF GLNVTGKPNE ETLDMMKKPR CGVPDSSGGFM LTPGNPKWER TNLTYRIRNY TPQLSEAEVE RAIKDAFELW SVASPLIFTR ISQGEADINI AFYQRDHGDN SPFDGPNLIL AHAFQPGQGI GGDAHFDAEE TWTNTSANYN LFLVAAHEFG HSLGLAHSSD PGALMYPNYA FRETSNYSLP QDDIDGIQAI YGLSSNPIQP TGPSTPKPCD PSLTFDAITT LRGEILFFKD RYFWRRHPQL QRVEMNFISL FWPSLPTGIQ AAYEDFDRDL IFLFKGNQYW ALSGYDILQG YPKDISNYGF PSSVQAIDAA VFYRSKTYFF VNDQFWRYDN QRQFMEPGYP KSISGAFFGI ESKVDAVFQQ EHFFHVFSGP RYYAFDLIAQ RVTRVARGNK WLNCRYG
Species	Human
Tag	C-His
Endotoxin	<0.01EU/ug by the LAL method.
Bio-Activity	Recombinant Human MMP-8 Protein cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH ₂ (RD #ES001). The specific activity is >194 pmol/min/ug, as measured under the described conditions.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



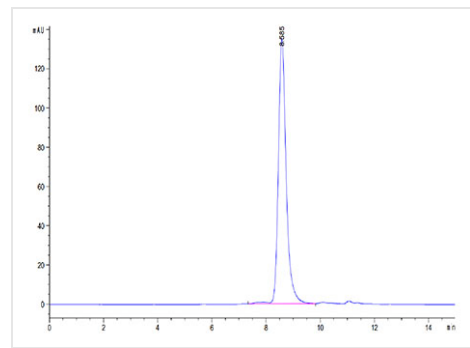
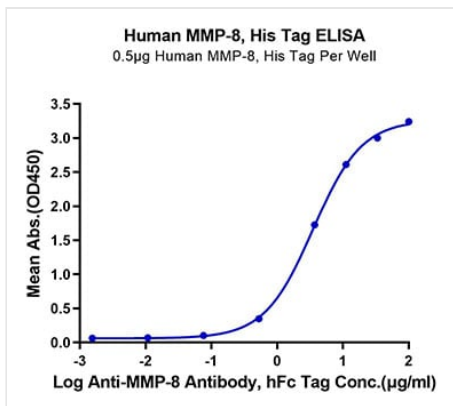
Application Data

Recombinant Human MMP-8 Protein cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH₂ (RD#ES001). The specific activity is >194 pmol/min/ug, as measured under the described conditions.



Application Data

Anti-MMP-8 Antibody captured on CM5 Chip via Protein A can bind Human MMP-8, His Tag with an affinity constant of 1.14 uM as determined in SPR assay (Biacore T200).

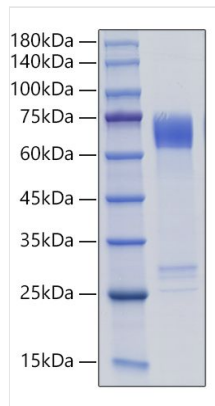


Application Data

The purity of Human MMP-8 is greater than 95% as determined by SEC-HPLC.

Application Data

Immobilized Human MMP-8, His Tag at 5µg/ml (100ul/well) on the plate. Dose response curve for Anti-MMP-8 Antibody, hFc Tag with the EC₅₀ of 3.5µg/ml determined by ELISA.



SDS-PAGE

Recombinant Human MMP-8 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-75kDa.

ADDITIONAL INFORMATION

Related Product Information for MMP-8 recombinant protein	Alteration of matrix metalloproteinases (MMPs) and tissue inhibitors of metalloproteinases (TIMPs) expression has been studied for various cardiac diseases, including dilated cardiomyopathy (DCM), with the significance of surrogate markers of extracellular matrix (ECM) remodeling. MMP-8 was identified only in myocardiocytes, while MMP-9 and TIMP-2 were present in both myocardiocytes and stroma, but with different intensity. The increasing intensity of MMP-8 and TIMP-2 immunoreactions was significantly associated with low HCS.
Product Categories/Family for MMP-8 recombinant protein	Other Recombinant Protein ; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505221
NCBI GeneID	4317
NCBI Accession #	NP_002415.1
NCBI GenBank Nucleotide #	NM_002424.2
UniProt Accession #	P22894; Q45F99
UniProt Protein Name	Neutrophil collagenase
UniProt Gene Name	MMP8
UniProt Synonym Gene Names	CLG1; MMP-8; PMNL-CL

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.

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Online datasheet: <https://www.aaabiotech.com/mmp8-recombinant-protein-hek293/283402>