MMP9 recombinant protein

Recombinant Human MMP9 Protein

CATALOG #	HOST	APPLICATIONS
AAA55970	**E. coli AA 210-346 (P14780).**	**SDS-Page, ELISA, Western Blot**

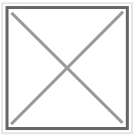
PRODUCT SYNONYMS

MMP9; Recombinant Human MMP9 Protein; GELB; Gelatinase B; CLG4B; CLG4-B; 92 KDa Gelatinase; 92kDa Type IV Collagenase; MMP9 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli AA 210-346 (P14780).
Purity/Purification	> 95% as determined by SDS-PAGE
Form/Format	58 mM Na_2HPO_4, 17 mM NaH_2PO_4, 68 mM NaCl, 300 mM Imidazole, pH 8.0,with 15% glycerol.
Concentration	1 mg/mL (varies by lot)
Sequence	WSLGKGVVVP TRFGNADGAA CHFPFIFEGR SYSACTTDGR SDGLPWCSTT ANYDTDDRFG FCPSERLYTR DGNADGKPCQ FPFIFQGQSY SACTTDGRSD GYRWCATTAN YDRDKLFGFC PTRADSTVMG GNSAGEL
Sequence Length	707
Applicable Applications for MMP9 recombinant protein	SDS-PAGE, ELISA, WB (Western Blot)
Source	Human
Species	Human
Protein Residues	with N-terminal 6×His-tag.
Predicted Molecular Mass	Predicted MW: 21 kDa Observed MW: 21 kDa
USAGE	MMP9 Protein-Centrifuge the standard vial at 6000-10000rpm for 30s.
Preparation and Storage	Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Stability: The recombinant protein is stable for up to 6 months from date of receipt at -80°C.

IMAGES



Application Data
SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MMP9 recombinant protein	MMP-9 (also known as gelatinase B) is secreted as a 92 kDa zymogen. Cleavage of pro-MMP-9 at or near residue 87 results in the active enzyme with a mass of approximately 82 kDa. MMP-9 has three fibronectin type II domains, a hemopexin-like domain and a proline-rich type V collagen-homologous domain. Pro-MMP-9 can be activated by MMP-3 or by certain bacterial proteinases. MMP-9 is inhibited by?2-macroglobulin or by TIMP-1, which binds to pro-MMP-9 as well as to active MMP-9.Pro-MMP-9 is secreted by monocytes, macrophages, neutrophils, keratinocytes, fibroblasts, osteoclasts, chondrocytes, skeletal muscle satellite cells, endothelial cells, and various tumor cells. Pro-MMP-9 expression is upregulated by TGF-?1, IL-1?, TGF-?, PDGF-AB.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74272287
NCBI GeneID	4318
NCBI Accession #	NP_004985.2
NCBI GenBank Nucleotide #	NM_004994.2
UniProt Accession #	P14780; Q3LR70; Q8N725; Q9H4Z1; Q9UCJ9; Q9UCL1; Q9UDK2; B2R7V9
Molecular Weight	21kDa
NCBI Official Full Name	matrix metalloproteinase-9 preproprotein
NCBI Official Synonym Full Names	matrix metallopeptidase 9
NCBI Official Symbol	MMP9
NCBI Official Synonym Symbols	GELB; CLG4B; MMP-9; MANDP2
NCBI Protein Information	matrix metalloproteinase-9
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.

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Online datasheet: https://stage.aaabiotech.com/mmp9-recombinant-protein-e-coli-aa-210-346-sds-page-elisa-wb-western-blot/55970