

Matrix metalloproteinase-9 Recombinant Protein | MMP9 recombinant protein

Recombinant Canis familiaris Matrix metalloproteinase-9

CATALOG # AAA115315	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Matrix metalloproteinase-9; Recombinant Canis familiaris Matrix metalloproteinase-9; 92 kDa gelatinase; 92 kDa type IV collagenase; Gelatinase B; GELB; MMP9 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	107-704
Sequence	FQTFEGDLKW HHNDITYWIQ NYSEDLPRDV IDDAFARAFA VWSAVTPLTF TRVYGPEADI IIQFGVREHG DGYPFDGKNG LLAHAFFPPGP GIQGDHAFDD EELWTLGKGV VVPTHFGNAD GAPCHFPTTF EGRSYSACTT DGRSDDTPWC STTADYDTR RFGFCPSEKL YAQDGNLGDGK PCVFPFTFEG RSYSTCTTDG RSDGYRWCST TADYDQDKLY GFCPTRVDSA VTGNSAGEP CVFPFIFLGK QYSTC
Sequence Length	704
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MMP9 recombinant protein	Could play a role in bone osteoclastic resorption. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments.
References	Dog mast cell alpha-chymase activates progelatinase B by cleaving the Phe88-Gln89 and Phe91-Glu92 bonds of the catalytic domain.Fang K.C., Raymond W.W., Blount J.L., Caughey G.H.J. Biol. Chem. 272:25628-25635(1997) High expression of 92 kDa type IV collagenase (matrix metalloproteinase-9) in canine mammary adenocarcinoma.Yokota H., Kumata T., Taketaba S., Kobayashi T., Moue H., Taniyama H., Hirayama K., Kagawa Y., Itoh N., Fujita O., Nakade T., Yuasa A.Biochim. Biophys. Acta 1568:7-12(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	14917012
NCBI GeneID	403885
UniProt Accession #	O18733; O19130
Molecular Weight	68.3 kDa
NCBI Official Full Name	Matrix metalloproteinase-9
NCBI Official Symbol	MMP9
NCBI Protein Information	matrix metalloproteinase-9
UniProt Protein Name	Matrix metalloproteinase-9
UniProt Gene Name	MMP9
UniProt Synonym Gene Names	MMP-9; GELB
UniProt Entry Name	MMP9_CANLF

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-or-yeast-or-baculovirus-or-mammalian-cell/115315>