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**Product Data Sheet**


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Product Name: MMP9 Human, Sf9

Cat. No.: GP21943

Batch No.: 1

**Product Data**

Purity &gt;98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms Matrix metalloproteinase-9; MMP-9; 92 kDa gelatinase; Gelatinase B; GELB; MMP9; CLG4B.

APRQRQSTLV LFPGLRRTNL TDRQLAEEYL YRYGYTRVAE MRGESKSLGP  
 ALLLLQKQLS LPETGELDSA TLKAMRTPRC GVPDLGRFQTFEGDLKWHHH  
 NITYWIQNYS EDLPRAVIDD AFARAFALWS AVTPLTFTRV YSRDADIVIQ  
 FGVAEHGDGY PFDGKDGLLA HAFPPGPGIQ GDAHFDDEL WSLGKGVVVP  
 TRFGNADGAA CHFPFIFEGR SYSACTTDGR SDGLPWCSTT ANYDTDDRFG  
 FCPSELYTQ DGNADGKPCQ PPFIFQGQSY SACTTDGRSD GYRWCATTAN  
 YDRDKLFGFC PTRADSTVMG GNSAGELCVF PFTFLGKEYS TCTSEGRGDG  
 RLWCATTSNF DSDKKWGFPC DQGYSFLVA AHEFGHALGL DHSSVPEALM  
 YPMYRFTEGP PLHKDDVNGI RHLYGPRPEP EPRPPTTTTP QPTAPPTVCP  
 TGPPTVHPSE RPTAGPTGPP SAGPTGPPTA GPSTATTVPL SPVDDACNVN  
 IFDAIAEIGN QLYLFKDGKY WRFSEGRGSR PQGPFLIADK WPALPRKLDS  
 VFEERLSKKL FFFSGRQVWV YTGASVLGPR RLDKLGAD VAQVTGALRS  
 GRGKMLLFSG RRLWRFDVKA QMVDPRSASE VDRMFPGVPL DTHDVFQYRE  
 KAYFCQDRFY WRVSSRSELN QVDQVGYVTY DILQCPEDHH HHHH.

Formulation MMP9 protein solution ( 0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Introduction**

MMP9 is part of the matrix metalloproteinase family. MMP enzymes take part in the dismantle of extracellular matrix in different physiological pathways, for instance wound healing, bone development, reproduction etc. the enzyme is also involved in pathological pathways: metastasis, arthritis and intracerebral hemorrhage.

**Stability**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

MMP9 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 694 amino acids (20-707a.a.) and having a molecular mass of 77.1 kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). MMP9 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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