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**Product Data Sheet**


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Product Name: MMP9 Mouse  
 Cat. No.: GP26168  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Matrix metalloproteinase-9, MMP-9, 92 kDa gelatinase, Gelatinase B, GELB, MMP9, CLG4B.		
Amino Acid Sequence	<p>APYQRQPTFV VFPKDLKTSN LTDTQLAEAY LYRYGYTRAA QMMGEKQSLR          PALLMLQKQL SLPQTGELDS QTLKAIRTPR CGVPDVGRFQ TFKGLKWDHH          NITYWIQNYS EDLPRDMIDD AFARAFVWG EVAPLTFTRV YGPEADIVIQ          FGVAEHGDGY PFDGKDGLLA HAFPPGAGVQ GDAHFDDDEL WSLGKGVVIP          TYYGNSNGAP CHFPTFEGR SYSACTTDGR NDGTPWCSTT ADYDKDGKFG          FCPSELYTE HGNGEGKPCV PPFIFEGRSY SACTTKGRSD GYRWCATTAN          YDQDKLYGFC PTRVDATVVG GNSAGELCVF PFVFLGKQYS SCTSDGRRDG          RLWCATTSNF DTDKKWGFPC DQGYSFLVA AHEFGHALGL DHSSVPEALM          YPLYSYLEGF PLNKDDIDGI QYLYGRGSKP DPRPPATTTT EPQPTAPPTM          CPTIPPTAYP TVGPTVGPTG APSPGPTSSP SPGPTGAPSP GPTAPPTAGS          SEASTESLSP ADNPCNVDVF DAIAEIQ GAL HFFKDGWYWK FLNHRGSPLQ          GPFLTARTWP ALPATLDSAF EDPQTKRVFF FSGRQMWVYT GKTVLGPRSL          DKLGLGPEVT HVSGLLPRRL GKALLFSKGR VWRFDLKSQK VDPQSVIRVD          KEFSGVPWNS HDIFQYQDKA YFCHGKFFWR VSFQNEVNKV DHEVNQVDDV          GYVTYDLLQC P-HHHHHH</p>		
Formulation	MMP9 Mouse protein solution (0.25mg/ml) contains 20mM Tris-HCl pH-7.5, 10mM CaCl <sub>2</sub> , 100mM NaCl, 0.05% Brij35 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.

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

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### Stability

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 Mouse produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 711 amino acids (20-730 a.a.) and having a molecular mass of 79.3 kDa. MMP9 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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