
Product Data Sheet

Product Name: MMP2 Mouse
 Cat. No.: GP26167
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	with Ice Packs
Synonyms	72 kDa type IV collagenase, 72 kDa gelatinase, Gelatinase A, Matrix metalloproteinase-2, MMP-2, TBE-1, MMP2, CLG4A, CLG4, MONA, MMP-II.		
Amino Acid Sequence	<p>ADPEFAPSPI IKFPGDVAPK TDKELAVQYL NTFYGC PKES CNLFVLKDTL KKMQKFFGLP QTGDLDQNTI ETMRKPRCGN PDVANYNFFP RPKKWDKNQI TYRIIGYTPD LDPETVDDAF ARALKVWSDV TPLRFSRIHD GEADIMINFG RWEHGDGYPF DGKDGLLAHA FAPGTGVGGD SHFDDDELWT LGEGQVVRVK YGNADGEYCK FPFLFNGREY SSCTDTGRSD GFLWCSTTYN FEKDGKYGFC PHEALFTMGG NADGQPCKFP FRFQGTSYNS CTTEGRTDGY RWC GTTEDYD RDKKYGFCPE TAMSTVGGNS EGAPCVFPFT FLGNKYESCT SAGRNDGKVV CATTNYDDD RKGWFCPDQG YSLFLVAAHE FGHAMGLEHS QDPGALMAPI YTYTKNFRLS HDDIKGIQEL YGSPDADTD TGTGPTPTLG PVTPEICKQD IVFDGIAQIR GEIFFFKDRF IWRTVTPRDK PTGPLLVATF WPELPEKIDA VYEAPQEEKA VFFAGNEYWV YSASTLERGY PKPLTSLGLP PDVQQVDAAF NWSKNKTYI FAGDKFWRYN EVKKKMDPGF PKLIADSWNA IPDNLDAVVD LQGGGHSYFF KGAYYKLEN QSLKSVKFGS IKSDWLGCHH HHHH</p>		
Formulation	The MMP2 solution (0.25 mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

MMP-2 or gelatinase A, is secreted by fibroblasts, cardiomyocytes, and myofibroblasts. MMP-2 has a broad field of substrates, that contain elastin, collagen, fibroblast growth factor, endothelin, MMP-9, plasminogen, MMP-13 and TGF-beta, pointing towards broad roles of MMP-2. MMP-2 activity boosts at day four post-MI and attains a maximum by day seven.

Stability

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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

MMP2 Mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 644 amino acids (30-662 aa) and having a molecular mass of 72.4kDa. MMP2 is fused to a 11 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

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