

Matrix Metalloproteinase-1 Human Recombinant, sf9

Item Number	rAP-1322
Synonyms	Matrix Metalloproteinase 1, Interstitial Collagenase, Fibroblast Collagenase, EC 3.4.24.7,
Description	MMP1 Human Recombinant produced in Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 460 amino acids (18-469a.a) and having a molecular mass of 53.1kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).
Uniprot Accession Number	P03956
Amino Acid Sequence	HSFPATLETQ EQDVDLVQKY LEKYYNLKNL GRQVEKRRNS GPVVEKLGKQM QEFFGLKVTG KPAETLKV M KQPRCGVPDV AQFVLTEG NP RWEQTHLTYR IENYTPDLPR ADVDHAIKA FQLWSNV TPL TFTKVSE GQA DIMISFVRGD HRDNSPFDGP GGNLAHAFQP GPGIGGDAHF DE- DERWTNNF REYNLHRVAA HELGHSLGLS HSTDIGALMY PSYTFSGDVQ LAQDDIDGIQ AIYGRSQNPV QPIGPQTPKA CDSKLTDAI TTIRGEVMFF KDRFYMRTNP FYPEVELNFI SVFWPQLPNG LEAAYEFADR DEVRFKGNK YWAVQGQNVL HGYPKDIYSS FGFPRTVKHI DAALSEENTG KTYFFVANKY WRYDEYKRSM DPGYPKMI AH DFPGIGHKVD AVFMKDGFFY FFHGTRQYKF DPKTKRILT LKANSWFNCR KNLEHHHHHH.
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	MMP1 protein solution (0.25mg/ml) containing 20mM MES buffer (pH 5.5), 10mM CaCl ₂ , 100 mM NaCl, 0.05% Brij35 and 30% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**