

Matrix Metalloproteinase-1 Human Recombinant

Item Number	rAP-1315
Synonyms	CLG, CLGN, Interstitial collagenase, Fibroblast collagenase, Matrix metalloproteinase-1, MMP-1.
Description	MMP 1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 393 amino acids (100-469a.a) and having a molecular mass of 45kDa. MMP 1 is fused to a 23 amino acid His-tag at N-terminus.
Uniprot Accession Number	P03956
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSFVLTEGN PRWEQTHLTY RIENYTPDLP RADVDHAIK AFQLWSNVTP LTFTKVSEGG ADIMISFVRG DHRDNSPFDG PGGNLAHAFQ PGPIGGDAH FDEDERWTNN FREYNLHRVA AHELGHSLGL SHSTDIGALM YPSYTFSGDV QLAQDDIDGI QAI- YGRSQNP VQPIGPQTPK ACDSKLTFDA ITTIRGEVMF FKDRFYMRN PFYPEVELNF ISVFWQLPN GLEAAYEFAD RDEVRFKGN KYWAVQGQNV LHGYPKDIYS SFGFPRTVKH IDAALSEENT GKTYFFVANK YWRYDEYKRS MDPGYPKMIA HDPFGIGHKV DAVFMKDGFF YFFHGTQYK FDPKTKRILT LQKANSWFNC RKN.
Source	Escherichia Coli.
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	The MMP 1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Greater than 90% 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**