

Matrix Metalloproteinase-13 Human Recombinant

Item Number	rAP-1310
Synonyms	CLG3, MANDP1, Collagenase 3, Matrix metalloproteinase-13, MMP-13, MMP13.
Description	MMP-13 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 391 amino acids (104-471 a.a.) and having a molecular mass of 44.7 kDa. MMP-13 is fused to a 23 amino acid His Tag at N-Terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P45452
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSYNVFPRT LKWSKMNLTY RIVNYTPDMT HSEVEKAFKK AFKVWS-DVTP LNFTRLHDGI ADIMISFGIK EHGDFYFPDG PSGLLAHAFP PGPNYGGDAH FDDDETWTSS SKGYNLFLVA AHEFGHSLGL DSKDPGALM FPIYTYTGKS HFMLPDDDDVQ GIQSLYGP GD EDPNPKHPKT PDKCDPSLSL DAITSLRGET MIFKDRFFWR LHPQQVDAEL FLTKSFWPEL PNRIDAAAYEH PSHDLIFIR GRKFWALNGY DILEGYPKKI SELGLPKEVK KISAAVHFED TGKTLFSGN QVWRYDDTNH IMDKDYPRLI EEDFPGIGDK VDAVYEKNGY IYFFNGPIQF EYSIWSNRIV RVMPANSILW C.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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-13 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 0.15M NaCl and 1mM DTT. 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**