

MMP13

Recombinant Human Matrix metalloproteinase 13

Catalog No.	CRM013A CRM013B CRM013C	Quantity:	2 µg 10 µg 100 µg
Alternate Names:	MMP13, Collagenase 3, CLG3, MANDP1		
Description:	<p>Matrix Metalloproteinase-13 (MMP-13) is an enzyme that is a member of the MMP extracellular protease family. Extracellular protease enzymes, by virtue of their broad substrate specificities¹, play a role in both normal and disease states of tissue proliferation. Among the targets of MMP-13 are collagen, gelatin, entactin, pro-TNF-α, and chemokine SDF-11-4.</p> <p>MMP-13 is found in its latent form as a 52-56 kDa glycosylated proenzyme. Upon cleavage the 22-46 kDa⁵ MMP-1 becomes active in extracellular matrix remodeling. Because of the prominent role that MMP-1 plays in cell migration and metastasis, it is an important target for inhibition screening.</p>		
UniProt ID:	P45452		
Gene ID:	4322		
Concentration:	0.5 mg/ml		
Source:	<i>E. coli</i>		
Molecular Weight:	44.7 kDa, 391 aa, including a 23 aa His Tag at the N-terminus.		
Formulation:	Sterile filtered solution containing 20 mM Tris-HCL, pH 8.0, 0,15 M NaCl, 1 mM DTT.		
Purity:	> 90% as determined by SDS-PAGE.		
Amino Acid Sequence:	MGSSHHHHHH SSGLVPRGSH MGSYNVFPRT LKWSKMNLTY RIVNYTPDMT HSEVEKAFKK AFKVWSDVTP LNFTRLHDGI ADIMISFGIK EHGFYFPFDG PSGLLAHAFP PGPNYGGDAH FDDDETWTSS SKGYNLFLVA AHEFGHSLGL DHSKDPGALM FPIYTYTGKS HFMLPDDDVQ GIQSLYGPGD EDPNPKHPKT PDKCDPSLSL DAITS LRGET MIFKDRFFWR LHPQQVDAEL FLTCSFWPEL PNRIDAAYEH PSHDLIFIR GRKFWALNGY DILEGYPKKI SELGLPKVK KISAAVHFED TGKTLLFSGN QVWRYDDTNH IMDKDYPRLI EEDFPGIGDK VDAVYEKNGY IYFFNGPIQF EYSIWSNRIV RVMPANSILW C.		
Storage & Stability:	Stable at 2-8°C for shipping purposes. Store in working aliquots at -20°C to -80°C. Avoid multiple freeze/thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com