

Matrix Metalloproteinase-13 Recombinant Protein | MMP 13 recombinant protein

Recombinant Human Matrix Metalloproteinase-13

CATALOG # AAA38276	HOST E Coli
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PRODUCT SYNONYMS

Matrix Metalloproteinase-13; Recombinant Human Matrix Metalloproteinase-13; MMP 13 Human; Matrix Metalloproteinase-13 Human Recombinant; CLG3; MANDP1; Collagenase 3; Matrix metalloproteinase-13; MMP-13; MMP13; MMP 13 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The MMP-13 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 0.15M NaCl and 1mM DTT. Sterile Filtered clear solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS YNVFPRTLKW SKMNLTYRIV NYTPDMTHSE VEKAFKKAFK VWSDVTPLNF TRLDGIADI MISFGIKEHG DFYPFDGPGS LLAHAFPPGP NYGGDAHFD DETWTSSSKG YNLFLVAAHE FGHSGLDHS KDPGALMFPI YTYTGKSHFM LPDDDVQGIQ SLYGPGDEDP NPKHPKTPDK CDPSLSLDAI TSLRGETMIF KDRFFWRLHP QQVDAELFLT KSWPELPNR IDAAYEHPSH DLIFIFGRK FWALNGYDIL EGYPKKISEL GLPKEVKKIS AAVHFEDTGK TLLFSGNQVW RYDDTNHIMD KDYPRLIEED FPGIGDKVDA VYEKNGYIYF FNGPIQFEYS IWSNRIVRVM PANSILWC
Sequence Length	471

ADDITIONAL INFORMATION

Related Product Information for MMP 13 recombinant protein	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. Introduction: Latent recombinant human pro-collagenase (MMP-13) also called collagenase-3 truncated from C-terminal. 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. 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.
Product Categories/Family for MMP 13 recombinant protein	Enzymes; Matrix Metalloproteinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505209
NCBI GeneID	4322
NCBI Accession #	NP_002418.1
NCBI GenBank Nucleotide #	NM_002427.3
UniProt Accession #	P45452; Q6NWN6; A8K846; B2RCZ3

Molecular Weight	53,820 Da
NCBI Official Full Name	collagenase 3 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 13
NCBI Official Symbol	MMP13
NCBI Official Synonym Symbols	CLG3; MANDP1; MMP-13
NCBI Protein Information	collagenase 3; matrix metalloproteinase 13 (collagenase 3); matrix metalloproteinase 13 (collagenase 3)
UniProt Protein Name	Collagenase 3
UniProt Gene Name	MMP13
UniProt Synonym Gene Names	MMP-13
UniProt Entry Name	MMP13_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mmp13-recombinant-protein-e-coli/38276>