

Recombinant Human Matrix Metalloproteinase 3 (Stromelysin 1, Progelatinase)

Cat. No. MMP3-1839H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HumanMMP3 is a 42.8 kDa protein and was expressed in E. coli.
Species	Human
Source	E.coli
Description	MMP3 (matrixmetalloproteinase 3), otherwise known as stromelysin-1, is a member of a family of secreted zinc-dependent endoproteases, which play a role in the degradation of extracellular matrix (ECM) components, including both fibrillar and non-fibrillar collagens, laminin, basement membrane glycoprotein and fibronectin.
Form	Purified recombinant protein - lyophilized.
Application	Functional Assays
Preparation	Purified recombinant MMP-3 expressed in E.coli.
Molecular Weight	42.8kD (378 amino acid residues) containing the entire catalytic N-terminal domain and C-terminal domain.
Purity	> 98% by SDS PAGE and HPLC analysis
Endotoxin Level	< 1EU/ug

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Concentration	0.1mg/ml after reconstitution
Storage	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
GENE INFORMATION	
Gene Name	MMP3 matrix metalloproteinase 3 (stromelysin 1, progelatinase) [Homo sapiens]
Official Symbol	MMP3
Synonyms	MMP3; matrix metalloproteinase 3 (stromelysin 1, progelatinase); SL-1; STMY; STR1; CHDS6; MMP-3; STMY1; MGC126102; MGC126103; MGC126104; stromelysin-1; transin-1; Proteoglycanase; OTTHUMP00000045949; matrix metalloproteinase-3; matrix metalloproteinase 3 (stromelysin 1, progelatinase)
Gene ID	4314
mRNA Refseq	NM_002422
Protein Refseq	NP_002413
MIM	185250
UniProt ID	P08254
Chromosome Location	11q22.3

Pathway	MatrixMetalloproteinases; Rheumatoid arthritis; p75(NTR)-mediated signaling
Function	calciumion binding; metalloendopeptidase activity; peptidase activity; proteincomplex binding; zinc ion binding

PDB rendering based on 1b3d.

