

MMP-3/Matrix Metalloproteinase-3 Recombinant Protein | MMP-3 recombinant protein

Recombinant Human MMP-3/Matrix Metalloproteinase-3 Protein (C-His)

CATALOG #
AAA174700

HOST
Human Cells

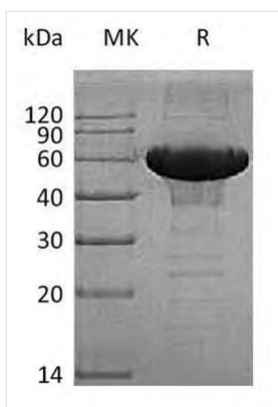
PRODUCT SYNONYMS

MMP-3/Matrix Metalloproteinase-3; Recombinant Human MMP-3/Matrix Metalloproteinase-3 Protein (C-His); Stromelysin-1; SL-1; Matrix metalloproteinase-3; MMP-3; Transin-1; MMP3; STMY1; CHDS6; STMY; STR1; Matrix Metalloproteinase; MMP-3 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 0.05% Brij35, 10% Glycerol, pH 7.5.
Concentration	0.68mg/mL (varies by lot)
Sequence	Tyr18-Cys4 77(Lys45Glu)
Sequence Length	477
Species	Human
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Fusion Tag	C-His
Preparation and Storage	Liquid. It is shipped on frozen temperature with blue ice. Store immediately at < -20°C, stable for up to 6 months. Please minimize freeze-thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MMP-3 recombinant protein	Background: MMP3 is a member of the matrix metalloproteinase (MMP) family whose members are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes including arthritis and metastasis. The MMP-3 enzyme degrades collagen types II, III, IV, IX, and X, proteoglycans, fibronectin, laminin, and elastin. In addition, MMP-3 can also activate other MMPs such as MMP-1, MMP-7, and MMP-9, rendering MMP-3 crucial in connective tissue remodeling.[3] The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505217
NCBI GeneID	4314
NCBI Accession #	NP_002413.1
NCBI GenBank Nucleotide #	NP_002413.1
UniProt Accession #	P08254
Molecular Weight	Molecular Mass: 53.26kDa Actual Protein Molecular Mass: 52kDa
NCBI Official Full Name	stromelysin-1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 3
NCBI Official Symbol	MMP3
NCBI Official Synonym Symbols	SL-1; STMY; STR1; CHDS6; MMP-3; STMY1
NCBI Protein Information	stromelysin-1
UniProt Protein Name	Stromelysin-1
UniProt Gene Name	MMP3
UniProt Synonym Gene Names	STMY1; SL-1; MMP-3
UniProt Entry Name	MMP3_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.