

Active Recombinant Mouse Mmp3 protein

Cat. No. Mmp3-416M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mmp3(Tyr18-Cys477) was expressed in NS0.
Species	Mouse
Source	Mammalian Cells
ProteinLength	18-477 a.a.
Predicted N Terminal	Tyr18
Form	Supplied as a 0.2 µm filtered solution in Tris, CaCl ₂ , NaCl, Brij-35 and Glycerol.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The specific activity is >300 pmol/min/g.
Molecular Mass	Predicted Molecular Mass: 52 kDa; SDS-PAGE: 60 kDa, reducing conditions.
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.

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GENE INFORMATION

Gene Name	Mmp3 matrix metallopeptidase 3 [Mus musculus]
Official Symbol	Mmp3
Synonyms	MMP3; matrix metallopeptidase 3; stromelysin-1; SL-1; EMS-2; MMP-3; transin-1; progelatinase; stromelysin 1; matrix metalloproteinase 3; matrix metalloproteinase-3; SLN1; Str1; SLN-1; STR-1; Stmy1;
Gene ID	17392
mRNA Refseq	NM_010809
Protein Refseq	NP_034939
UniProt ID	P28862
Chromosome Location	9 A1; 9 2.46 cM
Pathway	Matrix Metalloproteinases, organism-specific biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	calcium ion binding; hydrolase activity; metal ion binding; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; protein complex binding; zinc ion binding;

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