

Active Recombinant Human MMP3 protein, His-tagged

Cat. No. MMP3-0392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP3 protein(Tyr18-Thr272), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	18-272 a.a.
Form	Supplied as 0.2 µm filtered solution in 25 mM MES,150 mM NaCl,pH 6.0 with glycerol as protectant.
Bio-activity	BioactivityMeasured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH2 . The specific activity is >422 pmol/min/g.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 30.7 kDa. The protein migrates as 32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Tyr18-Thr272
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name MMP3 matrix metalloproteinase 3 (stromelysin 1, progelatinase) [Homo sapiens]

Official Symbol MMP3

Synonyms MMP3; matrix metalloproteinase 3 (stromelysin 1, progelatinase); matrix metalloproteinase 3 (stromelysin 1, progelatinase) , STMY, STMY1; stromelysin-1; transin-1; proteoglycanase; matrix metalloproteinase-3; matrix metalloproteinase 3 (stromelysin 1, progelatinase); SL-1; STMY; STR1; CHDS6; MMP-3; STMY1; MGC126102; MGC126103; MGC126104;

Gene ID 4314

mRNA Refseq NM_002422

Protein Refseq NP_002413

MIM 185250

UniProt ID P08254

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