

Recombinant Human MMP3 Protein, GST-tagged

Cat. No. MMP3-5433H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MMP3 full-length ORF (NP_002413.1, 1 a.a. - 477 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]
Molecular Mass	80.4 kDa
AA Sequence	MKSLPILLLLCVAVCSAYPLDGAARGEDTSMNLVQKYLENYYDLKKDKVKQFVRRKDS GPVVKKIREMQKFLGLEVTGKLDSDTLEVMRKPRCGVPDVGHFRTFPGIPKWRKTH LTYRIVNYTPDLPKDAVDSAVEKALKVWEEVTPLTFSRLYEGEADIMISFAVREHGDF YFPDGPGNVLAHAYAPGPGINGDAHFDDEQWTKDTTGTNLFVAAHEIGHSLGLF HSANTEALMYPLYHSLTDLTRFRLSQDDINGIQSLYGPPPDSPETPLVPTEPVPPEP

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GTPANCDPALSFDAVSTLRGEILIFKDRHFWRKSLRKLEPELHLISSFWPSLPSGVDA
 AYEVTSKDLVFIFKGNQFWAIRGNEVRAGYPRGIHTLGFPPTVRKIDAAISDKEKNKT
 YFFVEDKYWRFDEKRNSMEPGFPKQIAEDFPGIDSKIDAVFEEFGFFYFFTGSSQLE
 FDPNAKKVTHTLKSNSWLNC

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [MMP3 matrix metalloproteinase 3 \(stromelysin 1, procollagenase\) \[Homo sapiens \]](#)

Official Symbol [MMP3](#)

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

Gene ID [4314](#)

mRNA Refseq [NM_002422](#)

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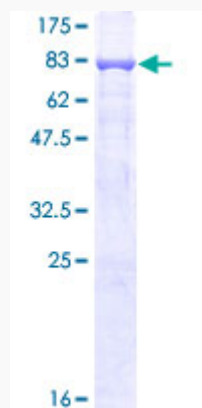
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_002413

MIM 185250

UniProt ID P08254

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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