

Recombinant Full Length Human MMP10 Protein, GST-tagged

Cat. No. MMP10-6406HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MMP10 full-length ORF (NP_002416.1, 1 a.a. - 476 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	476 amino acids
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. The enzyme encoded by this gene degrades proteoglycans and fibronectin. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq
Molecular Mass	80.6 kDa
AA Sequence	MMHLAFLVLLCLPVC SAYPLSGAAKEEDSNKDLAQQYLEKYNNLEKDVKQFRRKDS NLIVKKIQGMQKFLGLEVTGKLDTDTEVMRKPRCGVPDVGHFSSFP GMPKWRKTH LTYRIVNYTPDLPRDAVDSAIEKALKVWEEVTPLTFSRLYEGEADIMISFAVKEHGDF YSFDGPGHSLAHAYPPGPGLYGDIHFDDDEKWTE DASGTNLFVAAHELGHSLGLF HSANTEALMYPLYNSFTELAQFRLSQDDVNGIQSLYGPPPASTEEPLVPTKSVPSGS EMPAKCDPALSFDAISTLRGEYLFFKDRYFWRRSHWNPEPEFHLISAFWPSLPSYLD

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AAYEVNSRDTVFIFKGNFWAIRGNEVQAGYPRGIHTLGFPPTIRKIDAAVSDKEKKK
 TYFFAADKYWRFDENSSQSMQGFPRLIADDFPGVEPKVDAVLQAFGFFYFFSGSSQ
 FEFDPNARMVTHILKSNSWLHC

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

[MMP10 matrix metalloproteinase 10 \(stromelysin 2\) \[Homo sapiens \]](#)

Official Symbol

[MMP10](#)

Synonyms

MMP10; matrix metalloproteinase 10 (stromelysin 2); matrix metalloproteinase 10 (stromelysin 2) , STMY2; stromelysin-2; MMP-10; transin 2; transin-2; stromelysin 2; matrix metalloproteinase 10; matrix metalloproteinase-10; matrix metalloproteinase 10 (stromelysin 2); SL-2; STMY2;

Gene ID

[4319](#)

mRNA Refseq

[NM_002425](#)

Protein Refseq

[NP_002416](#)

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MIM	185260
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UniProt ID	P09238
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