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	MMHLAFLVLLCLPVCSAYPLSGAAKEEDSNKDLAQQYLEKYYNLEKDVKQFRRKDS NLIVKKIQGMQKFLGLEVTGKLDTDTLEVMRKPRCGVPDVGHFSSFPGMPKWRKTH LTYRIVNYTPDLPRDAVDSAIEKALKVWEEVTPLTFSRLYEGEADIMISFAVKEHGDF YSFDGPGHSLAHAYPPGPGLYGDIHFDDDEKWTEDASGTNLFLVAAHELGHSLGLF HSANTEALMYPLYNSFTELAQFRLSQDDVNGIQSLYGPPPASTEEPLVPTKSVPSGS EMPAKCDPALSFDAISTLRGEYLFFKDRYFWRRSHWNPEPEFHLISAFWPSLPSYLD

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	AAYEVNSRDTVFIFKGNEFWAIRGNEVQAGYPRGIHTLGFPPTIRKIDAAVSDKEKKK TYFFAADKYWRFDENSQSMEQGFPRLIADDFPGVEPKVDAVLQAFGFFYFFSGSSQ 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 metallopeptidase 10 (stromelysin 2) [Homo sapiens]
Official Symbol	MMP10
Synonyms	MMP10; matrix metallopeptidase 10 (stromelysin 2); matrix metalloproteinase 10 (stromelysin 2) , STMY2; stromelysin-2; MMP-10; transin 2; transin-2; stromelysin 2; matrix metalloprotease 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
UniProt ID	P09238

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