

Recombinant Full Length Human MMP11 Protein, GST-tagged

Cat. No. MMP11-6409HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MMP11 full-length ORF (1 a.a. - 488 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	488 amino acids
Description	<p>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. However, the enzyme encoded by this gene is activated intracellularly by furin within the constitutive secretory pathway. Also in contrast to other MMPs, this enzyme cleaves alpha 1-proteinase inhibitor but weakly degrades structural proteins of the extracellular matrix. [provided by RefSeq]</p>
Molecular Mass	81 kDa
AA Sequence	<p>MAPAAWLRSAAARALLPPMLLLLLQPPPLLARALPPDVHHLHAERRGPQPWHAALP SSPAPAPATQEAPRPASSLRPPRCGVPDPDGLSARNRQKRFLVLSGGRWEKTDLT YRILRFPWQLVQEQVRQTMAEALKVWSDVTPLTFTEVHEGRADIMIDFARYWHGDD LPFDGPGGILAHAFPPKTHREGDVHFDYDETWTIGDDQGTDLLQVAHEFGHVLGL</p>

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QHTTAAKALMSAFYTFRYPLSLSPDDCRGVQHLYGQPWPTVTSRTPALGPQAGIDT
 NEIAPLEPDAPPDACEASFDAVSTIRGELFFFKAGFVWRLRGGQLQPGYPALASRH
 WQGLPSPVDAAFEDAQQGHIWFFQGAQYWVYDGEKPVLPAPLTELGLVRFVHAA
 LVWGPEKNKIYFFRGRDYWRFHPSTRRVDSVPVRRATDWRGVPSEIDAAFQDADG
 YAYFLRGRLYWKFDPKVKALEGFPRLVGPDDFFGCAEPANTFL

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
 MMP11 matrix metalloproteinase 11 (stromelysin 3) [Homo sapiens]

Official Symbol
 MMP11

Synonyms
 MMP11; matrix metalloproteinase 11 (stromelysin 3); matrix metalloproteinase 11 (stromelysin 3) , STMY3; stromelysin-3; MMP-11; stromelysin III; ST3; SL-3; STMY3;

Gene ID
 4320

mRNA Refseq
 NM_005940

Protein Refseq
 NP_005931

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MIM	185261
UniProt ID	P24347

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