

Recombinant Human MMP11 Protein, GST-tagged

Cat. No. MMP11-5417H **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	Wheat Germ
ProteinLength	1-488 aa
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. 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]
Molecular Mass	81 kDa
AA Sequence	MAPAAWLRSAAARALLPPMLLLLLQPPPLLARALPPDVHHLHAERRGPQPWHAALP SSPAPAPATQEAPRPASSLRPPRCGVPDPDGLSARNRQKRFLVSGGRWEKTDLT YRILRFPWQLVQEQVRQTMAEALKVWSDVTPLTFTEVHEGRADIMIDFARYWHGDD LPFDGPGGILAHAFPPKTHREGDVHFDYDETWTIGDDQGTDLLQVAAHEFGHVLGL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

QHTTAALKMSAFYTFRYPLSLSPDDCRGVQHLYGQPWPTVTSRTPALGPQAGIDT
 NEIAPLEPDAPPDACEASFDAVSTIRGELFFFKAGFVWRLRGGQLQPGYPALASRH
 WQGLPSPVDAAFEDAQGHIWFFQGAQYWVYDGEKPVLPAPLTELGLVRFVHAA
 LVWGPEKNKIYFFRGRDYWRFHPSTRRVDSVPVRRATDWRGVPSEIDAAFQDADG
 YAYFLRGRLYWKFDVPVKVKALEGFPRLVGPDDFFGCAEPANTFL

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
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UniProt ID	P24347
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