

Recombinant Human MMP11 Protein, His tagged

Cat. No. MMP11-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding human matrix metalloproteinase 11 corresponding to amino acid (1-488) was expressed with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
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 MMP's 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 MMP's, this enzyme cleaves alpha 1-proteinase inhibitor but weakly degrades structural proteins of the extracellular matrix.
Form	Liquid
AASequence	MAPAAWLRSAAARALLPPMLLLLLQPPPLLARALPPDAHHLHAERRGPQPWHAALP SSPAPAPATQEAPRPASSLRPPRCGVDPDPSDGLSARNRQKRFLVSGGRWEKTDLT YRILRFPWQLVQEQRQTMAEALKVWSDVTPLTFTEVHEGRADIMIDFARYWHGDD LPFDGPGGILAHAFSPKTHREGDVHFDYDETWTIGDDQGTDLLQVAAHEFGHVLGL QHTTAAKALMSAFYTFRYPLSLSPDDCRGVQHLYGQPWPTVTSRTPALGPQAGIDT

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NEIAPLEPDAPPDACEASFDAVSTIRGELFFFKAGFVWRLRGGQLQPGYPALASRH
WQGLPSPVDAAFEDAQGHIWFFQGAQYWVYDGEKPVLGPAPLTELGLVRFPVHAA
LVWGPEKNKIYFFRGRDYWRFHPSTRRVDSVPVRRATDWRGVPSEIDAAFQDADG
YAYFLRGRLYWKFDPPVKVKALEGFPRLVGPDDFFGCAEPANTFL

Molecular Mass 44.1 kDa

Purity > 95% as determined by SDS-PAGE

Storage Store it at +4 centigrade for short term. For long term storage, store it at -20 to -70 centigrade.

Storage Buffer PBS, pH7.4

Concentration 0.15 mg/mL

GENE INFORMATION

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

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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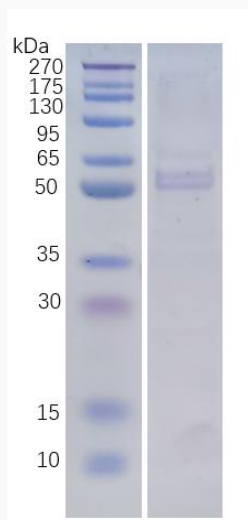
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MIM 185261

UniProt ID P24347

SDS-PAGE and WB



12% reducing SDS-PAGE analysis profiles of purified human MMP11 (CBB stained)

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