Recombinant Human MMP11 Protein, Fc tagged

Cat. No. MMP11-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP11 Protein (Arg32-Leu488) with hFc (Glu99-Ala330) tag was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	32-488 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	Lyophilized from sterile Phosphate Buffered Saline, pH 7.4. Normally 5%–8% Trehalose is added as a protectant before lyophilization.
Molecular Mass	76.5 kDa
Purity	> 95% by SDS-PAGE and Coomassie blue staining.

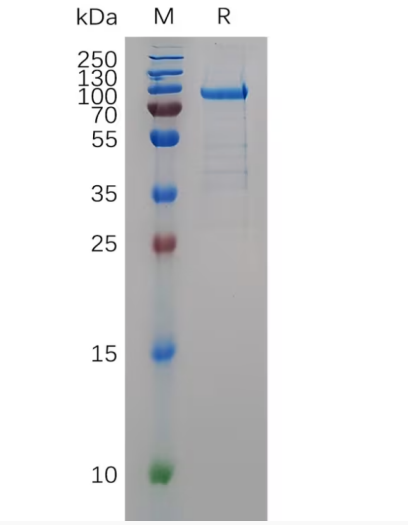
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Applications	SDS-PAGE
Notes	This product is for research use only. It is not intended for diagnostic or therapeutic use.
Storage	Shipped at 4 centigrade. Lyophilized: Store at -20 to -80 centigrade. Reconstituted: Aliquot and store at -80 centigrade. Product is stable for one year. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	MMP11 matrix metallopeptidase 11 [Homo sapiens (human)]
Official Symbol	MMP11
Synonyms	MMP11; matrix metallopeptidase 11; ST3; SL-3; STMY3; stromelysin-3; matrix metallopeptidase 11 (stromelysin 3); stromelysin III; EC 3.4.24.-
Gene ID	4320
mRNA Refseq	NM_005940
Protein Refseq	NP_005931
MIM	185261
UniProt ID	P24347

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SDS-PAGE and WB	

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