Recombinant Human MMP11 Protein, His-GST-tagged

Cat. No. MMP11-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP11 Protein (33-488 aa (full-length)) with 6xHis-GST tags was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	33-488
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.
Molecular Mass	79.8 kDa
Purity	>80% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB).
Applications	ELISA, Western Blot, Antibody Production, Protein array
Quality Control Test	10% SDS-PAGE stained with Coomassie Blue (CB), immunobloting with anti-GST

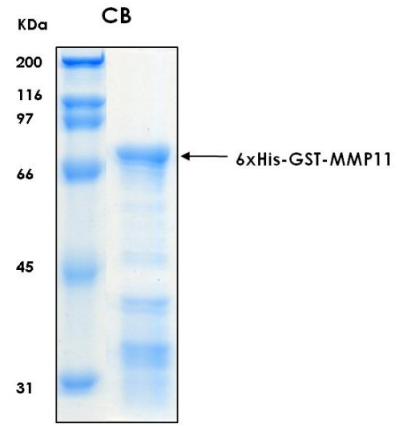
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	monoclonal and peptide fingerprinting by MALDI-TOF mass spectrometry.
Storage	Store working aliquots at 4 centigrade for up to one week. For extended storage, conserve at −80 centigrade.
Expiry	12 months from the date of purchase, if it is properly stored.
Storage Buffer	20mM Sodium Phosphate, 0.5M NaCl, 0.15M imidazole, pH 7.4. No preservatives added.
Shipping	Dry Ice

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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