

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), immunoblotting 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 metalloproteinase 11 \[Homo sapiens \(human\) \]](#)

Official Symbol

[MMP11](#)

Synonyms

MMP11; matrix metalloproteinase 11; ST3; SL-3; STMY3; stromelysin-3; matrix metalloproteinase 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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