

Recombinant Human MMP7 Protein, GST-tagged

Cat. No. MMP7-5435H Lot. No. (See product label)

SPECIFICATION

Product Overview Human MMP7 full-length ORF (NP_002414.1, 1 a.a. - 267 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

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. The enzyme encoded by this gene degrades proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]

Molecular Mass 56.1 kDa

AA Sequence MRLTVLCAVCLLPGSLALPLPQEAGGMSELQWEQAQDYLKRFYLYDSETKNANSLE
AKLKEMQKFFGLPITGMLNSRVIEIMQKPRCGVPDVAEYSLFPNSPKWTSKVVTYRI
VSYTRDLPHITVDRLVSKALNMWGKEIPLHFRKVVWGTADIMIGFARGAHGDSYPFD
GPGNTLAHAFAPGTGLGGDAHFEDEDERWTDGSSSLGINFLYAATHELGHSLGMGHS

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SDPNAVMYPTYGNGDPQNFKLSQDDIKGIQKLYGKRSNSRKK

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

[MMP7 matrix metalloproteinase 7 \(matrilysin, uterine\) \[Homo sapiens \]](#)

Official Symbol

[MMP7](#)

Synonyms

MMP7; matrix metalloproteinase 7 (matrilysin, uterine); matrix metalloproteinase 7 (matrilysin, uterine) , MPSL1; matrilysin; PUMP 1; matrin; pump-1 protease; uterine matrilysin; uterine metalloproteinase; matrix metalloproteinase-7; matrix metalloproteinase 7 (matrilysin, uterine); MMP-7; MPSL1; PUMP-1;

Gene ID

[4316](#)

mRNA Refseq

[NM_002423](#)

Protein Refseq

[NP_002414](#)

MIM

[178990](#)

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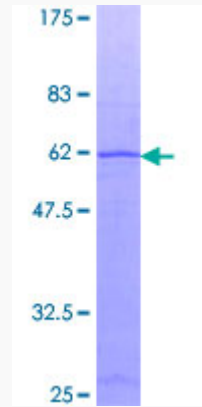
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UniProt ID

P09237

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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