

## Matrilysin (MMP7) Recombinant Protein | MMP7 recombinant protein

Recombinant Human Matrilysin (MMP7)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA113491</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

### PRODUCT SYNONYMS

Matrilysin (MMP7); Recombinant Human Matrilysin (MMP7); MMP7 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                      |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                             |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                      |
| Sequence Positions      | 95-267aa, Full Length of Mature Protein                                                                                                                                                               |
| Sequence                | YSLFPNSPKW TSKVVTYRIV SYTRDLPHIT VDRLVSKALN MWGKEIPLHF RKVVWGTADI MIGFARGAHG<br>DSYPFDGPGN TLAHAFAPGT GLGGDAHFE DERWTDGSSL GINFLYAATH ELGHS LGMGH SSDPNAV MYP<br>TYGNGDPQNF KLSQDDIKGI QKLYGKRSNS RKK |
| Sequence Length         | 267                                                                                                                                                                                                   |
| Species                 | Human                                                                                                                                                                                                 |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.   |

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Related Product Information for MMP7 recombinant protein | 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. 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. |
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### NCBI AND UNIPROT INFORMATION

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|----------------------------------|----------------------------|
| NCBI GI #                        | 4505219                    |
| NCBI GeneID                      | 4316                       |
| NCBI Accession #                 | NP_002414.1                |
| NCBI GenBank Nucleotide #        | NM_002423.4                |
| UniProt Accession #              | P09237; Q9BTK9             |
| Molecular Weight                 | 46.1 kDa                   |
| NCBI Official Full Name          | matrilysin preproprotein   |
| NCBI Official Synonym Full Names | matrix metalloproteinase 7 |

|                               |                      |
|-------------------------------|----------------------|
| NCBI Official Symbol          | MMP7                 |
| NCBI Official Synonym Symbols | MMP-7; MPSL1; PUMP-1 |
| NCBI Protein Information      | matrilysin           |
| UniProt Protein Name          | Matrilysin           |
| UniProt Gene Name             | <b>MMP7</b>          |
| UniProt Synonym Gene Names    | MPSL1; PUMP1; MMP-7  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mmp7-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113491>