

# Recombinant human MMP-7 protein

Catalog Number: ATGP3067

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

95-267aa

### UniProt No.

P09237

### NCBI Accession No.

NP\_002414

### Alternative Names

Matrilysin, MMP-7, MPSL1, PUMP-1

## PRODUCT SPECIFICATION

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### Molecular Weight

19.2 kDa (174aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

MMP7 also known as Matrilysin. MMP7 belongs to the matrix metalloproteinase (MMP) family, which 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. MMP7 protein enhanced the phosphorylation of p38 and ERK mitogen-activated protein kinases. MMP7 has directly functional target of miR-148a, participating in cell invasion. Recombinant human MMP7 was expressed in E. coli.

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### Amino acid Sequence

MYSLFPNSPK WTSKVVTYRI VSYTRDLPHI TVDRLVSKAL NMWGKEIPLH FRKVVWGTAD IMIGFARGAH GDSYPFDGPG  
NTLAHAFAPG TGLGGDAHFD EDERWTDGSS LGINFLYAAT HELGHSLGMG HSSDPNAVMY PTYGNGDPQN FKLSQDDIKG  
IQKLYGKRSN SRKK

### General References

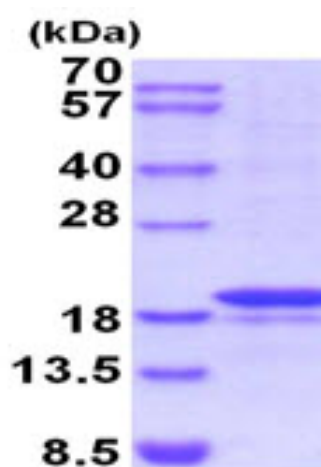
Kwon MJ., et al. (2014) Biochem. Biophys. Res. Commun. 446 (2), 487-492

Sakamoto N., et al. (2014) Cancer Sci. 105 (2), 236-243

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)