

Recombinant human MMP-7 protein

Catalog Number: ATGP3067

PRODUCT INFORMATION

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

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

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 FRKVVWGTDAD IMIGFARGAH GDSYPFDGPG
NTLAHAFAPG TGLGGDAHFD EDERWTDGSS LGINFLYAAT HELGHSLGMG HSSDPNAVMY PTYGNGDPQN FKLSQDDIKG
IQKLYGKRSN SRKK

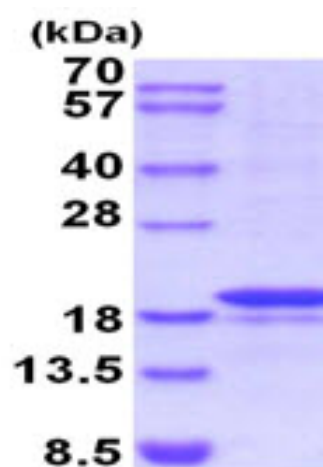
General References

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

SDS-PAGE



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

15% SDS-PAGE (3ug)