

AR51887PU-S

Human MMP-7 (95-267, His-tag) - Purified

Alternate names:

MMP7, MPSL1, Matrilysin, Matrin, Matrix metalloproteinase-7, PUMP1, Pump-1 protease, Uterine metalloproteinase

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by bradford assay)

Background:

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.

Uniprot ID:

[P09237](#)

NCBI:

[NP_002414](#)

GenelD:

[4316](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris 8.0 containing 10% glycerol.

Description:

Recombinant human MMP7 was expressed in E.coli.

AA Sequence:

MYSLFNPSPK WTSKVVYTRI VSYTRDLPHI TVDRLVSKAL NMWGKEIPLH FRKVVWGTAD
IMIGFARGAH GDSYPFDGPG NTLAHAFAPG TGLGGDAHFD EDERWTDGSS LGINFLYAAT
HELGHSLGMG HSSDPNAVMY PTYGNGDPQN FKLSQDDIKG IQKLYGKRNS SRKK

Molecular weight: 19.2 kDa (174aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

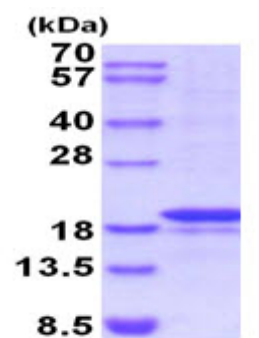
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Kwon MJ., et al. (2014) Biochem. Biophys. Res. Commun. 446 (2), 487-492 Sakamoto N., et al. (2014) Cancer Sci. 105 (2), 236-243

Pictures:



15% SDS-PAGE (3ug)