

**RMCH131**

Recombinant MMP7 (proenzyme), Human , AF



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 5ug;20ug;100ug;500ug;**Synonym/Alternative name(s) :** MMP-7, MP51, PUMP-1**Activity :** N/A**Protein Description:**

Matrilysin, also known as matrix metalloproteinase-7 (MMP-7), pump-1 protease (PUMP-1), or uterine metalloproteinase is an enzyme in humans that is encoded by the MMP7 gene. MMP-7 is the smallest of all the MMPs consisting of a pro-peptide domain and a catalytic domain. It lacks the hemopexin-like domain common to other members of the MMPs. MMP-7 is widely expressed having been reported in elevated levels in cycling endometrium as well as in colorectal cancers and adenomas, hepatocellular carcinomas, rectal carcinomas, and approximately 50% of gliomas.

**Protein Accession :** AAC37543.1**Gene ID :** 4316**Expression Sequence:**

MRLTVLCAVCLLPGLALPLPQEAGGMSELQWEQAQDYLRKRYLYDSETKNANSLEAKLKEMQKFFGLPITGMLNSHVIEIMQKPRCG  
VPDVAEYSLFPNSPKWTSKVVYRIVSYTRDLPHITVDRLVSKALNMWKGKIEPLHFRKVVWGTADIMIGFARGAHGDSYFPDGPNTL  
AHAFAFGTGLGGDAHFDEDERWTDGSSLGINFLYAATHELHSLGMGHSSDPNAVMPYTYGNGDPQNFKLSQDDIKGIQKLYGKRS  
NSRKK with polyhistidine tag at the C-terminus.

**Fusion tag :** His-tag?at?the?C-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

&gt;95% as determined by SDS-PAGE.

Ni-NTA chromatography.

**Endotoxin level:**

&lt;0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 30.47 kDa**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

**Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping :** Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

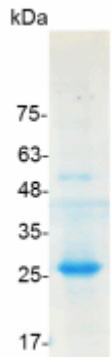
stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant human MMP7 (proenzyme)