

## Product datasheet for **AR51887PU-N**

### **MMP-7 (95-267, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	MMP-7 (95-267, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MYSLFPNSPK WTSKVVYRI VSYTRDLPHI TVDRLVSKAL NMWGKEIPLH FRKVVWGTAD IMIGFARGAH GDSYPFDGPG NTLAHAFAPG TGLGGDAHFD EDERWTDGSS LGINFLYAAT HELGHSLGGMG HSSDPNAVMY PTYGNGDPQN FKLSQDDIKG IQKLYGKRSN SRKK
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	19.2 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris 8.0 containing 10% glycerol.
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human MMP7 was expressed in E.coli.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_002414</a>
<b>Locus ID:</b>	4316
<b>UniProt ID:</b>	<a href="#">P09237</a>
<b>Cytogenetics:</b>	11q22.2
<b>Synonyms:</b>	MMP-7; MPLS1; PUMP-1



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**Summary:**

This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin 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 on chromosome 11. This gene exhibits elevated expression levels in multiple human cancers. [provided by RefSeq, Jan 2016]

**Protein Families:**

Druggable Genome, Protease

**Protein Pathways:**

Wnt signaling pathway

**Product images:**