

Product datasheet for **AR51887PU-S**

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

Product data:

Product Type:	Recombinant Proteins
Description:	MMP-7 (95-267, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MYSLFPNSPK WTSKVVYRI VSYTRDLPHI TVDRLVSKAL NMWGKEIPLH FRKVVWGTD IMIGFARGAH GDSYPFDGPG NTLAHAFAPG TGLGGDAHFD EDERWTDGSS LGINFLYAAT HELGHSLGMG HSSDPNAVMY PTYGNGDPQN FKLSQDDIKG IQKLYGKRSN SRKK
Tag:	His-tag
Predicted MW:	19.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris 8.0 containing 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MMP7 was expressed in E.coli.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_002414
Locus ID:	4316
UniProt ID:	P09237
Cytogenetics:	11q22.2
Synonyms:	Matrilysin, Pump-1 protease, Uterine metalloproteinase, Matrix metalloproteinase-7, MMP7, MPL1, PUMP1, Matrin



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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: