

Product datasheet for AR51887PU-S

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

Product data:

OriGene Technologies, Inc.

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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 WTSKVVTYRI VSYTRDLPHI TVDRLVSKAL NMWGKEIPLH FRKVVWGTAD 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:	<u>NP 002414</u>	
Locus ID:	4316	
UniProt ID:	<u>P09237</u>	
Cytogenetics:	11q22.2	
Synonyms:	Matrilysin, Pump-1 protease, Uterine metalloproteinase, Matrix metalloproteinase-7, MMP7, MPSL1, PUMP1, Matrin	



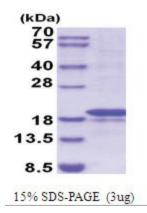
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	MMP-7 (95-267, His-tag) Human Protein – AR51887PU-S
Summary:	This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family are involved in the breakdown of extracellular matrix in normal physiological 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	s: Druggable Genome, Protease

Protein Families:	Druggable Genome, Protease

Protein Pathways: Wnt signaling pathway

Product images:



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