

## Product datasheet for **AR51357PU-S**

### MMP-10 (99-476, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	MMP-10 (99-476, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSFSSFPGM PKWRKTHLTY RIVNYTPDLP RDAVDSAIEK ALKVWEEVTP LTF SRLYEGE ADIMISFAVK EHGDFYSFDG PGHSLAHAYP PGPGLYGDH FDDDEKWTEG ASGTNLFLVA AHELGHSLGL FHSANTEALM YPLYNSFTEL AQFRLSQDDV NGIQSLYGPP PASTEEPLVP TKSVP SGSEM PAKCDPALS F DAISTLRGEY LFFKDRYFWR RSHWNPEPEF HLISAFWPSL PSYLDAAYEV NSRDTV FIFK GNEFWAIRGN EVQAGYPRGI HTLGFPTIR KIDAAVSDKE KKKTYFFAAD KYWRFDENSQ SMEQGFPRLI ADDFP GVEPK VDAVLQAFGF FYFFSGSSQF EFDPNARMVT HILKSNSWLH C
Tag:	His-tag
Predicted MW:	45.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MMP10 protein, fused to His-tag at N-terminus, 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:	<a href="#">NP_002416</a>
Locus ID:	4319
UniProt ID:	<a href="#">P09238</a>
Cytogenetics:	11q22.2
Synonyms:	SL-2; STMY2



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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 fibronectin, laminin, elastin, proteoglycan core protein, gelatins, and several types of collagen. The gene is part of a cluster of MMP genes on chromosome 11. [provided by RefSeq, Jan 2016]

**Protein Families:**

Druggable Genome, Protease

**Product images:**