

**AR51357PU-S****Human MMP-10 (99-476, His-tag) - Purified**

<b>Alternate names:</b>	MMP10, Matrix metalloproteinase-10, SL-2, STMY2, Stromelysin-2, Transin-2
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml (determined by Bradford assay)
<b>Background:</b>	MMP10 protein of the matrix metalloproteinase (MMP) family is 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. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades proteoglycans and fibronectin. MMP10 is part of a cluster of MMP genes which localize to chromosome 11q22.3.
<b>Uniprot ID:</b>	<a href="#">P09238</a>
<b>NCBI:</b>	<a href="#">NP_002416</a>
<b>GeneID:</b>	<a href="#">4319</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
<b>Description:</b>	Recombinant human MMP10 protein, fused to His-tag at N-terminus, was expressed in E.coli. <b>AA Sequence:</b> MGS SHHHHHH SSGLVPRGSH MGSFSSFPGM PKWRKTHLTY RIVNYTPDLP RDAVDSAIEK ALKVWEEVTP LTF SRLYEGE ADIMISFAVK EHGDFYSFDG PGHSLAHAYP PGPGLYGDIIH FDDDEKWTED ASGTNLFLVA AHELGHSLGL FHSANTEALM YPLYNSFTEL AQFRLSQDDV NGIQSLYGPP PASTEEPLVP TKSVP SGSEM PAKCDPALSF DAISTLRGEY LFFKDRYFWR RSHWNPEPEF HLISAFWPSL PSYLDAAEYV NSRDTVFIFK GNEFWAIRGN EVQAGYPRGI HTLGFPPPTIR KIDAAVSDKE KKKTYFFAAD KYWRFDENSQ SMEQGFPRLI ADDFPGVPEK VDAVLQAFGF FYFFSGSSQF EFDPNARMVT HILKSNSWLH C <b>Molecular weight:</b> 45.4 kDa (401aa)
<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. Shelf life: one year from despatch.
<b>General Readings:</b>	Wojciechowski, R., et al. (2013) Ophthalmology 120 (2), 298-305 Sze, K.M., et al. (2013) Hepatology 57 (1), 131-139

Pictures:

