

AR51363PU-S

Human MMP-8 (His-tag) - Purified

Alternate names:	CLG1, MMP8, Matrix metalloproteinase-8, Neutrophil collagenase, PMNL collagenase, PMNL-CL
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	MMP8 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. However, the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. MMP8 is part of a cluster of MMP.
Uniprot ID:	P22894
NCBI:	NP_002415
GenelD:	4317
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Description:	Recombinant human MMP8 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SSGLVPRGSH MGS LTPGNPK WERTNLTYRI RNYTPQLSEA EVERAIKDAF ELWSVASPLI FTRISQGEAD INIAFYQRDH GDNSPFDGPN GILAHAFQPG QGIGGDAHFD AEETWNTSA NYNLFLVA AH EFGHSLGLAH SSDPGALMYP NYAFRETSNY SLPQDDIDGI QAIYGLSSNP IQPTGPSTPK PCDPSLTFDA ITTLRGEILF FKDRYFWR RH PQLQRVEMNF ISLFWPSLPT GIQAAYEDFD RDLIFLFKGN QYWALSGYDI LQGYPKDISN YGFPSSVQAI DAAVFYRSKT YFFVNDQFWR YDNQRQFM EP GYPKISISGAF PGIESKVDAV FQQEHFFHFV SGPRYYAFDL IAQRVTRVAR GNKWLNCRYG Molecular weight: 44.3 kDa (390aa)
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. Shelf life: one year from despatch.
General Readings:	Hasty K.A., et al (1990). J. Biol. Chem. 265:11421-11424 Betz M., et al (1997). Eur. J. Biochem. 247:356-363

Pictures:

