

MMP8 recombinant protein

MMP8, 101- 467aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48864	HOST E Coli	APPLICATIONS SDS-Page
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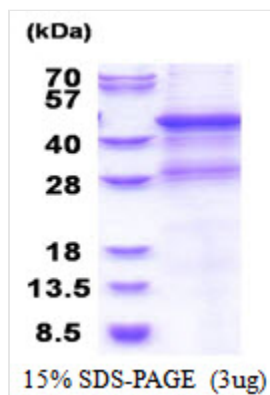
PRODUCT SYNONYMS

MMP8; 101- 467aa; Human; His tag; E Coli (Denatured); neutrophil collagenase preproprotein; CLG1; HNC; MMP-8; PMNL-CL; MMP8 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 0.4M urea
Concentration	1mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGS LTPGNPK WERTNLTYRI RNYTPQLSEA EVERAIKDAF ELWSVASPLI FTRISQGEAD INIAFYQRDH GDNSPFDGPN GILAHAFQPG QGIGGDAHFD AEETWTNTSA NYNLFVAAH EFGHSLGLAH SSDPGALMYP NYAFRETSNY SLPQDDIDGI QAIYGLSSNP IQPTGPSTPK PCDPSLTFDA ITTLRGEILF FKDRYFWRRH PQLQRVEMNF ISLFWPSLPT GIQAAYEDFD RDLIFLFKGN QYWALSGYDI LQGYPKDISN YGFPSSVQAI DAAVFYRSKT YFFVNDQFWR YDNQRQFMEP GYPKSISGAF PGIESKVDAV FQQEHFFHVF SGPRYYAFDL IAQRVTRVAR GNKWLNCRYG
Sequence Length	467
Applicable Applications for MMP8 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MMP8 recombinant protein	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. Recombinant human MMP8 protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for MMP8 recombinant protein	Cancer
References	Hasty K.A., et al (1990). J. Biol. Chem. 265:11421-11424; Betz M., et al (1997). Eur. J. Biochem. 247:356-363;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505221
NCBI GeneID	4317
NCBI Accession #	NP_002415
NCBI GenBank Nucleotide #	NM_002424.2
UniProt Accession #	P22894; Q45F99
Molecular Weight	44.3 kDa (390aa)
NCBI Official Full Name	neutrophil collagenase isoform 1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 8
NCBI Official Symbol	MMP8
NCBI Official Synonym Symbols	HNC; CLG1; MMP-8; PMNL-CL
NCBI Protein Information	neutrophil collagenase
UniProt Protein Name	Neutrophil collagenase
UniProt Gene Name	MMP8
UniProt Synonym Gene Names	CLG1; MMP-8; PMNL-CL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.