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32-2553: MMP 8 His Recombinant Protein

Alternative Name : CLG1,HNC,MMP-8,PMNL-CL,Neutrophil collagenase,Matrix metalloproteinase-8,MMP-8,PMNL collagenase.

Description

Source : Escherichia Coli. MMP 8 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 390 amino acids (101-467a.a) and having a molecular mass of 44.3kDa. MMP 8 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Full-length recombinant human neutrophil pro-collagenase (MMP-8), latent form.Matrix metalloproteinase 8 (MMP-8), or neutrophil collagenase, degrades interstitial collagens, acting preferentially on collagen type I. Increased full-length MMP-8 protein was associated with infiltration into the skin of neutrophils, which are the major cell type that expresses MMP-8.MMP-8 is synthesized and stored in specific granules in neutrophil leukocytes. MMP-8 activity is therefore regulated by factors such as surface-bound ligands (IgG or complement components) that release it through degranulation.Once released and activated through proteolytic or oxidative mechanisms, MMP-8 plays a major role in the connective tissue turnover that accompanies inflammatory processes.

Product Info

Amount :	20 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The MMP 8 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSLTPGNPK WERTNLTYRI RNYTPQLSEA EVERAIKDAF ELWSVASPLI FTRISQGEAD INIAFYQRDH GDNSPFDGPN GILAHAFQPG QGIGGDAHFD AEETWTNTSA NYNLFLVAAH 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.