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Pro-MMP-8, human recombinant protein

Matrix metalloproteinase-13

Catalog # PBV11353r

Specification

Pro-MMP-8, human recombinant protein - Product info

Primary Accession	P22894
Concentration	**>100 mUnits/mg**
Calculated MW	**40/42 kDa KDa**

Pro-MMP-8, human recombinant protein - Additional Info

Gene ID	**4317**
Gene Symbol	**MMP8**

Other Names

Neutrophil collagenase (EC 3.4.24.34) (Matrix metalloproteinase-8) (MMP-8) (PMNL collagenase) (PMNL-CL)

Gene Source	**Human**
Source	**Human neutrophil granulocytes (Buffy Coat)**
Assay&Purity	**SDS-PAGE;**
Assay2&Purity2	**HPLC;**
Recombinant	**No**

Format

Liquid

Storage

-80°C; In 50 mM Tris-HCl, pH 7; 200 mM NaCl; 5 mM $CaCl_2$; 1 µM $ZnCl_2$; 0.05% Brij 35; 0,05% NaN_3

Pro-MMP-8, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Pro-MMP-8, human recombinant protein - Images

Pro-MMP-8, human recombinant protein - Background

Human neutrophil collagenase (HNC) has been purified from extracts of fresh and outdated buffy coats and from exudates of phorbol myristate acetate-stimulated neutrophils. The MMP-8 present in

the starting material can either be latent or active, or have an app. relative molecular mass of 75-kDa and/or 58-kDa. The rather complex pattern of activation of the latent 58-kDa and 75-kDa species by trypsin, organomercurials and oxidants has been investigated. MMP-8 was shown to preferentially hydrolyze type I over type II, and type III collagens in solution and to be a glycoprotein that contains complex N-linked oligosaccharides leading to multiple forms of MMP-8 in SDS-PAGE. The action of endoglycosidase on the latent 58-kDa form produces 42/40-kDa species (Gao et al. 1992, Mallya et al. 1990). This indicates that MMP-8 is an N-linked, complex glycoprotein that appears to be glycosylated at multiple sites.