

Datasheet for ABIN2965548 **MMP8 Protein (full length)**

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Overview

Quantity:	2.5 IU
Target:	MMP8
Protein Characteristics:	full length
Origin:	Human
Host:	Please inquire
Protein Type:	Recombinant
Application:	Activity Assay (AcA), Standard (STD)

Product Details

Characteristics:	Recombinant Human Matrix Metalloproteinase-8
Purity:	> 90 % as determined by SDS-PAGE.

Target Details

Target:	MMP8
Alternative Name:	Matrix Metalloproteinase-8 (MMP8 Products)
Background:	Matrix Metalloproteinase-8 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 75 kDa. The MMP-8 is purified by proprietary chromatographic techniques. Introduction: 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,

Target Details

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. Synonyms: Neutrophil collagenase, EC 3.4.24.34, Matrix metalloproteinase-8, MMP-8, PMNL collagenase, PMNL-CL, HNC, CLG1.

Application Details

Application Notes:	Used as a standard for analyzing mammalian collagenase activity.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The protein Solution (100 units/ml) in 0.05M Tris-HCl buffer, pH 7.6, containing 0.2M NaCl, 5mM CaCl ₂ , 0.0025% NaN ₃ and 0.1% BSA.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C