Datasheet for ABIN1097894

MMP8 Protein (Catalytic Domain)

Go to Product page

Overview

Quantity:	100 µg
Target:	MMP8
Protein Characteristics:	Catalytic Domain
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Sequence:	NPKWER TNLTYRIRNY TPQLSEAEVE RAIKDAFELW SVASPLIFTR ISQGEADINI AFYQRDHGDN SPFDGPNGIL AHAFQPGQGI GGDAHFDAEE TWTNTSANYN LFLVAAHEFG HSLGLAHSSD PGALMYPNYA FRETSNYSLP QDDIDGIQAI YG
Characteristics:	Recombinant matrix metalloproteinase-8 (MMP-8, collagenase-2, neurophil collagenase) cloned from human cDNA, expressed in E.coli. The enzyme consists of the catalytic domain of human MMP-8 (residues 105-262)
Purification:	Folding state checked by NMR.
Purity:	> 95% by SDS-PAGE.
Biological Activity Comment:	> 80U/µg. Activity described as U=100 pmol/min at 25°C using a colorimetric assay with thiopeptide Ac-Pro-Leu-Gly-[2-mercapto-4-methyl-pentanoyl]-Leu-Gly-OC2H5 (Biomol) as substrate.

Target Details

Target:	MMP8
Alternative Name:	MMP-8 (MMP8 Products)
Molecular Weight:	17.7kDa
UniProt:	P22894

Application Details

Application Notes:	Enzyme kinetic studies, cleavage of target substrates and screening of inhibitors
Comment:	The enzyme was observed as a single band migrating at a molecular weight of < 20kDa
Restrictions:	For Research Use only

Handling

Buffer:	0.2mg/ml in Tris 20mM pH 7.2, CaCl2 10mM, ZnCl2 0.1mM, NaCl 0.3M, Acetohydroxamic Acid (AHA) 0.5M.
Storage:	-20 °C/-80 °C
Storage Comment:	-80°C. The enzyme is stable at -20°C for at least 1 week. After initial defrost, aliquot enzyme into individual tubes and refreeze at -80°C. Avoid repeated freeze/defrost cycles.