

Datasheet for ABIN935654 MMP1 Protein



[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	MMP1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MFVLTEGNPR WEQTHLYRI ENYTPDLPRA DVDHAIEKAF QLWSNVTPLT FTKVSEGDAD IMISFVRGDH RDNSPFDGPG GNLAHAFQPG PGIGGDAHFD EDERWTNNFR EYNLHRVAAH ELGHSGLSLH STDIGALMYP SYTFSGDVQL AQDDIDGIQA IYGRSQNPVQ PIGPQTPKAC DSKLTFDAIT TIRGEVMFFK DRFYMRTNPF YPEVELNFIS VFWPQLPNGL EAAYEFADRD EVRFFKGNKY WAVQQQNVLH GYPKDIYSSF GFPRTVKHID AALSEENTGK TYFFVANKYW RYDEYKRSMG PGYPKMIAHD FPGIGHKVDA VFMKDGFFYF FHGTRQYKFD PKTKRILTLQ KANSWFNCRK N
Characteristics:	Purified recombinant Human MMP1 protein Expression System: E.coli Bioactivity: MMP-1 activity was measured by its ability to cleave a chromogenic peptide MMP-1 substrate at room temperature. At an MMP-1 concentration of 2.5 µg/mL, 50 % cleavage was achieved at an incubation time of approximately 25 minutes
Purity:	> 90 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	MMP1
Alternative Name:	MMP1 (MMP1 Products)
Background:	<p>Matrix metalloproteinases (MMPs) are a family of endoproteases that require zinc and calcium for expressing catalytic activity. These enzymes play a central role in the maintenance and remodeling of the extracellular matrix. Elevated expression of their activity, caused either by up-regulation of their expression or down-regulation of their cognate inhibitors, has been implicated in various degenerative disorders, including arthritis, cardiovascular disease, skeletal growth-plate disorders, and cancer metastasis. MMP-1 is a secreted collagenase with specificity toward Type I, II, III, VII, and X collagens.</p> <p>Alternative Names: Matrix metalloproteinase-1, MMP-1 protein, MMP1, Fibroblast collagenase, MMP-1, MMP-1 protein, interstitial collagenase protein, MMP 1 protein, MMP 1</p>
Molecular Weight:	42.7 kDa

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.