

Datasheet for ABIN5854700

MMP1 Protein (AA 18-469) (His tag)



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Overview

Quantity:	50 µg
Target:	MMP1
Protein Characteristics:	AA 18-469
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	HSFPATLETQ EQDVDLVQKY LEKYNNLKNL GRQVEKRRNS GPVVEKLKQM QEFFGLKVTG KPDAETLKVM KQPRCGVPDV AQFVLTEGNP RWEQTHLTyr IENYTPDLPR ADVDHAIKA FQLWSNVTPPL TFTKVSEGA DIMISFVRGD HRDNSPFDGP GGNLAHAFQP GPGIGGDAHF DEDERWTNNF REYNLHRVAA HELGHSLGLS HSTDIGALMY PSYTFSGDVQ LAQDDIDGIQ AIYGRSQNPV QPIGPQTPKA CDSKLTDAI TTIRGEVMFF KDRFYMRTNP FYPEVELNFI SVFWPQLPNG LEAAEFADR DEVRFFKGNK YWAVQGQNVL HGYPKDIYSS FGFPRTVKHI DAALSEENTG KTYFFVANKY WRYDEYKRSM DPGYPKMAH DFPGIGHKVD AVFMKDGFFY FFHGTRQYKF DPKTKRILTQ QKANSWFNCR KNLEHHHHHH
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	MMP1
Alternative Name:	MMP-1 (MMP1 Products)
Background:	MMP1, also known as interstitial collagenase isoform 1, contains 4 hemopexin-like domains and is a member of the matrix metalloproteinase (MMP) family. It is capable of degrading a wide range of extracellular molecules and a number of bioactive molecules. It plays a central role in cell proliferation, migration, differentiation, angiogenesis, apoptosis and host defences. Recombinant human MMP1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	53.1 kDa (460aa)
NCBI Accession:	NP_002412
UniProt:	P03956

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In 20 mM MES buffer (pH 5.5) containing 10 mM CaCl ₂ , 100 mM NaCl, 0.05 % Brij35, 30 % glycerol.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.