Datasheet for ABIN1097161

MMP3 Protein (AA 18-477) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	MMP3
Protein Characteristics:	AA 18-477
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Matrix Metalloproteinase-3/MMP-3 (C-6His)
Sequence:	YPLDGAARGE DTSMNLVQKY LENYYDLEKD VKQFVRRKDS GPVVKKIREM QKFLGLEVTG KLDSDTLEVM RKPRCGVPDV GHFRTFPGIP KWRKTHLTYR IVNYTPDLPK DAVDSAVEKA LKVWEEVTPL TFSRLYEGEA DIMISFAVRE HGDFYPFDGP GNVLAHAYAP GPGINGDAHF DDDEQWTKDT TGTNLFLVAA HEIGHSLGLF HSANTEALMY PLYHSLTDLT RFRLSQDDIN GIQSLYGPPP DSPETPLVPT EPVPPEPGTP ANCDPALSFD AVSTLRGEIL IFKDRHFWRK SLRKLEPELH LISSFWPSLP SGVDAAYEVT SKDLVFIFKG NQFWAIRGNE VRAGYPRGIH TLGFPPTVRK IDAAISDKEK NKTYFFVEDK YWRFDEKRNS MEPGFPKQIA EDFPGIDSKI DAVFEEFGFF YFFTGSSQLE FDPNAKKVTH TLKSNSWLNC VDHHHHHH
Characteristics:	Recombinant Human Matrix Metalloproteinase-3/MMP-3 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Tyr18-Cys477) of Human MMP-3 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	MMP3
Alternative Name:	mmp-3 (MMP3 Products)
Sub Type:	Fusionprotein
Background:	MMP3 is a member of the matrix metalloproteinase (MMP) family whose members are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes including arthritis and metastasis. The MMP-3 enzyme degrades collagen types II, III, IV, IX, and X, proteoglycans, fibronectin, laminin, and elastin. In addition, MMP-3 can also activate other MMPs such as MMP-1, MMP-7, and MMP-9, rendering MMP-3 crucial in connective tissue remodeling.[3] The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. Alternative Names: Stromelysin-1, SL-1, Matrix metalloproteinase-3, MMP-3, Transin-1, MMP3, STMY1
Molecular Weight:	53.26 kDa
UniProt:	P08254

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 0.05 % Brij35, 10 % Glycerol, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months

