Datasheet for ABIN5709945

MMP2 Protein (AA 110-662) (His-SUMO Tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	MMP2
Protein Characteristics:	AA 110-662
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP2 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	YNFFPRKPKW DKNQITYRII GYTPDLDPET VDDAFARALK VWSDVTPLRF SRIHDGEADI MINFGRWEHG DGYPFDGKDG LLAHAFAPGT GVGGDSHFDD DELWTLGEGQ VVRVKYGNAD GEYCKFPFLF NGREYSSCTD TGRSDGFLWC STTYNFEKDG KYGFCPHEAL FTMGGNGDGQ PCKFPFRFQG TSYNSCTTEG RTDGYRWCGT TEDYDRDKKY GFCPETAMST VGGNSEGAPC VFPFTFLGNK YESCTSAGRS DGKVWCATTT NYDDDRKWGF CPDQGYSLFL VAAHEFGHAM GLEHSQDPGA LMAPIYTYTK NFRLSNDDIK GIQELYGPSP DADTDTGTGP TPTLGPVTPE ICKQDIVFDG IAQIRGEIFF FKDRFIWRTV TPRDKPTGPL LVATFWPELP EKIDAVYEAP QEEKAVFFAG NEYWVYSAST LERGYPKPLT SLGLPPDVQQ VDAAFNWSKN KKTYIFSGDK FWRYNEVKKK MDPGFPKLIA DSWNAIPDNL DAVVDLQGGG HSYFFKGAYY LKLENQSLKS VKFGSIKSDW LGC
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

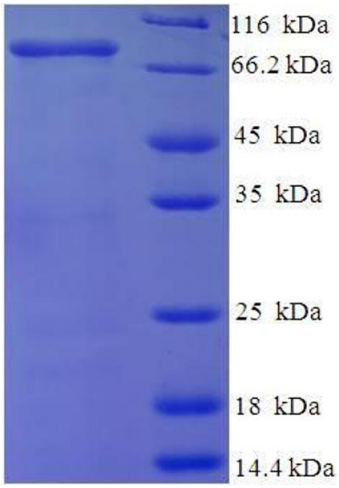
Target:	MMP2
Alternative Name:	MMP2 (MMP2 Products)
Background:	Ubiquitinous metalloproteinase that is involved in diverse functions such as rodeling of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture. As well as degrading extracellular matrix proteins, can also act on several nonmatrix proteins such as big endothelial 1 and beta-type CGRP promoting vasoconstriction. Also cleaves KISS at a Gly-|-Leu bond. Appears to have a role in myocardial cell death pathways. Contributes to myocardial oxidative stress by regulating the activity of GSK3beta. Cleaves GSK3beta in vitro. Involved in the formation of the fibrovascular tissues .PEX, the C-terminal non-catalytic fragment of MMP2, posseses anti-angiogenic and anti-tumor properties and inhibits cell migration and cell adhesion to FGF2 and vitronectin. Ligand for integrin alpha-v/beta3 on the surface of blood vessels .
Molecular Weight:	78.1 kDa
UniProt:	P33436
Pathways:	Activation of Innate immune Response

Application Details

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

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.