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Datasheet for ABIN7505634

# MMP3 Protein (AA 1-477) (His tag)



### Overview

Quantity:	100 μg
Target:	MMP3
Protein Characteristics:	AA 1-477
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP3 protein is labelled with His tag.

# **Product Details**

Sequence:	Met1-Cys477
Characteristics:	A DNA sequence encoding the Human MMP3 protein (P08254) (Met1-Cys477) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

# Target Details

Target:	MMP3
Alternative Name:	MMP3 (MMP3 Products)
Background:	Abbreviation: MMP3
	Target Synonym: Stromelysin-1,SL-1,Matrix metalloproteinase-3,Transin-
	1,MMP3,STMY1,CHDS6,MMP-3,SL-1,STMY,STR1
	Background: MMP3 is a member of the matrix metalloproteinase (MMP) family whose

## **Target Details**

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.

Molecular Weight:

Calculated MW: 52.36 kDa

Observed MW: 59 kDa

UniProt:

P08254

# **Application Details**

Restrictions:

For Research Use only

# Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.  Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months