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Datasheet for ABIN7319525 MMP3 Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant Human MMP-3 Protein (His Tag)
Sequence:	Tyr18-Cys477(Lys45Glu)
Characteristics:	Recombinant Human MMP-3 is produced by our Mammalian expression system and the target gene encoding Tyr18-Cys477(Lys45Glu) is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	MMP3
Alternative Name:	MMP-3 (MMP3 Products)
Background:	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

Target Details

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.

Synonym: Stromelysin-1, SL-1, Matrix metalloproteinase-3, Transin-1, MMP3, STMY1, CHDS6, MMP-3, SL-1, STMY, STR1

Molecular Weight: 53.26 kDa

UniProt: [P08254](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 0.05 % Brij35, 10 % Glycerol, pH 7.5.

Storage: -20 °C

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