Datasheet for ABIN7490939

MMP 9 Protein (AA 20-707) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	MMP 9 (MMP9)
Protein Characteristics:	AA 20-707
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP 9 protein is labelled with His tag.

Product Details

Purpose:	Recombinant human MMP9(20-707) protein with C-terminal 6xHis tag
Specificity:	MMP9 (20-707) (Ala20-Asp707) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	MMP 9 (MMP9)
Alternative Name:	MMP9 (MMP9 Products)
Background:	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of

Target Details

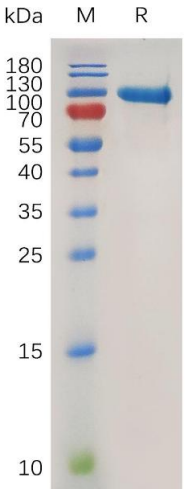
	extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq, Jul 2008]
Molecular Weight:	predicted molecular mass of 77.2 kDa after removal of the signal peptide. The apparent molecular mass of MMP9(20-707)-His is 70-100 kDa due to glycosylation.
UniProt:	P14780
Pathways:	Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, CXCR4-mediated Signaling Events

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human (20-707) Protein, His Tag on SDS-PAGE under reducing condition.

