

Datasheet for ABIN6239740

MMP2 Protein (AA 110-660) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	MMP2
Protein Characteristics:	AA 110-660
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This MMP2 protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 97 %
Biological Activity Comment:	<p>Mechanism: MMP2 is a zinc-dependent enzymes capable of cleaving components of the extracellular matrix, which belongs to the matrix metalloproteinase (MMP) family. It is a gelatinase A, 72kDa type IV collagenase which can hydrolyze gelatin under certain conditions. Gelatin zymography is mainly used for the detection of the gelatinases, MMP-2 and MMP-9 and It is extremely sensitive because levels of 10pg of MMP-2 can already be detected. Briefly, various concentrations of MMP2 (500ng, 125ng, 63ng, 32ng, 16ng) were denatured by SDS loading buffer, electrophoresed through sodium dodecylsulphate-polyacrylamide gel (SDS-PAGE; 10% gels) containing gelatin (1mg/mL) with nonreducing conditions. After renaturation, incubation and CCB-stained, active MMP2 would hydrolyze gelatin nearby, which was indicated by the white binds on the gel. In this experiment we use heat-denatured MMP2 protein as</p>

Product Details

negative control, and blood sample as positive control. Result 1: Gelatin hydrolysis by recombinant human MMP2 was shown in figure 1. MMP2 MMP2 MMP2 MMP2 MMP2
negative positive 500ng 125ng 63ng 32ng 16ng control control 70kd→ *Figure 1. Hydrolysis of gelatin by MMP2.*

Target Details

Target:	MMP2
Abstract:	MMP2 Products
Background:	Alternative Names: CLG4, CLG4A, MMP-II, MONA, TBE-1, PEX, Gelatinase A, 72 kDa Gelatinase, 72 kDa Type IV Collagenase
Molecular Weight:	64kDa
UniProt:	P08253
Pathways:	Activation of Innate immune Response

Application Details

Application Notes:	Isoelectric Point: 5.2
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4, containing 0.01 % SKL, 1 mM DTT, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

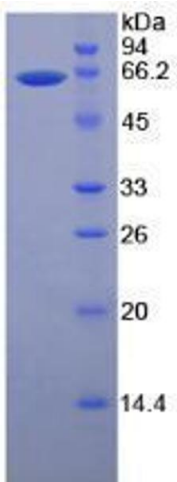


Image 1.