

Datasheet for ABIN6239901

**MFAP2 Protein (AA 6-162) (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	MFAP2
Protein Characteristics:	AA 6-162
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This MFAP2 protein is labelled with His tag.
Application:	Cell Culture (CC), Activity Assay (AcA)

## Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 95 %
Biological Activity Comment:	Microfibrillar-associated protein 2 (MFAP2) is an O-glycosylated protein which excreted to the extracellular space and the extracellular matrix. MFAP2 combine biglycan and elastin to form a ternary complex. MFAP2 plays a key role in the support and distensibility of the juxtacanalicular region of these collector channels. It also can inhibit LTB-1 binding to fibrillin-1, stimulate the phosphorylation of Smad2, and thereby mediate the subsequent extracellular deposition of latent TGFbeta. Besides, Fibrillin 1 (FBN1) has been identified as an interactor of MFAP2, thus a binding ELISA assay was conducted to detect the interaction of recombinant human MFAP2 and recombinant human FBN1. Briefly, MFAP2 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to FBN1-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-MFAP2

## Product Details

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pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of MFAP2 and FBN1 was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of MFAP2 with FBN1.

## Target Details

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Target:	MFAP2
Abstract:	<a href="#">MFAP2 Products</a>
Background:	Alternative Names: MAGP1, Microfibril-associated glycoprotein 1
Molecular Weight:	38kDa
UniProt:	<a href="#">P55001</a>

## Application Details

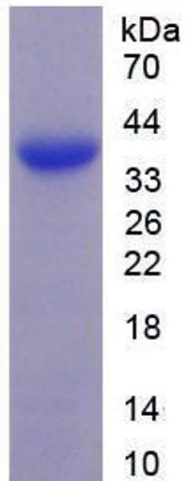
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Application Notes:	Isoelectric Point: 5.5
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, 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.**