

Datasheet for ABIN7275229

**MFAP4 Protein (AA 60-293) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	MFAP4
Protein Characteristics:	AA 60-293
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MFAP4 protein is labelled with His tag.

## Product Details

Purpose:	Cynomolgus MFAP4 Protein
Sequence:	Val60-Ala293
Characteristics:	Recombinant Cynomolgus MFAP4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val60-Ala293.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus MFAP4, His Tag at 1 µg/ml (100 µl/Well) on the plate. Dose response curve for Anti-MFAP4 Antibody, hFc Tag with the EC50 of 7.8 ng/ml determined by ELISA. See testing image for detail.

## Target Details

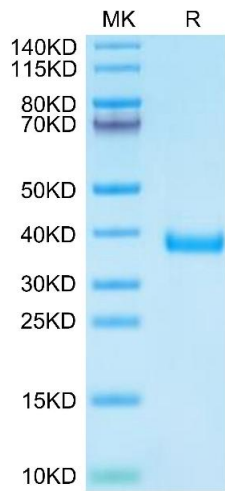
Target:	MFAP4
Alternative Name:	MFAP4 ( <a href="#">MFAP4 Products</a> )
Background:	Microfibril-associated glycoprotein 4 (MFAP4) is an extracellular matrix protein belonging to the fibrinogen-related protein superfamily. MFAP4 is produced by vascular smooth muscle cells and is highly enriched in the blood vessels of the heart and lung, where it is thought to contribute to the structure and function of elastic fibers. Genetic studies in humans have implicated MFAP4 in the pathogenesis of Smith-Magenis syndrome, in which patients present with multiple congenital abnormalities and mental retardation, as well as in the severe cardiac malformation left-sided congenital heart disease.
Molecular Weight:	27.60 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">A0A2K5TQS8</a>

## Application Details

Restrictions:	For Research Use only
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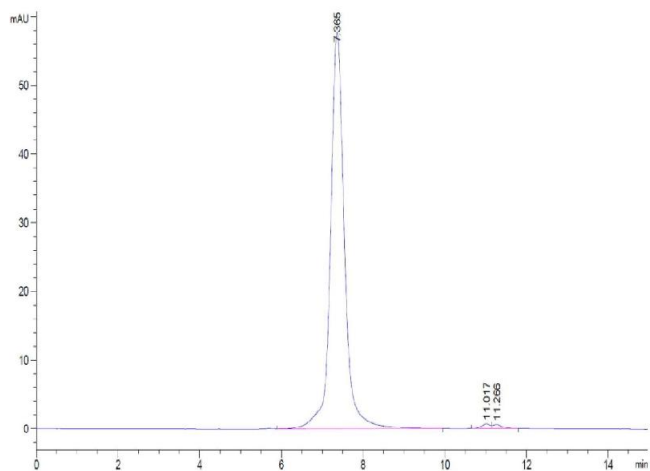
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



### SDS-PAGE

**Image 1.** Cynomolgus MFAP4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

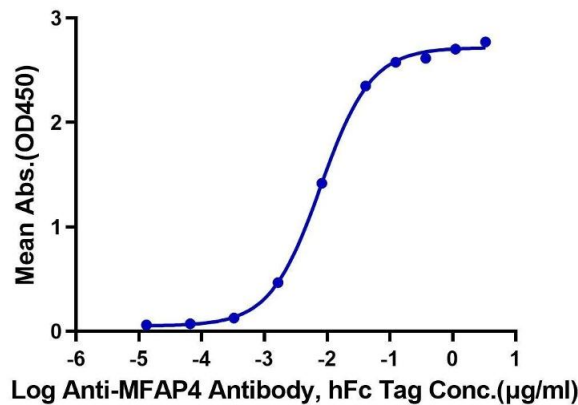


### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Cynomolgus MFAP4 is greater than 95 % as determined by SEC-HPLC.

### Cynomolgus MFAP4, His Tag ELISA

0.1µg Cynomolgus MFAP4, His Tag Per Well



### ELISA

**Image 3.** Immobilized Cynomolgus MFAP4, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-MFAP4 Antibody, hFc Tag with the EC50 of 7.8 ng/mL determined by ELISA.