

Datasheet for ABIN7275230

MFAP4 Protein (AA 22-255) (His-DYKDDDDK Tag)



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2 Images

Overview

Quantity:	100 µg
Target:	MFAP4
Protein Characteristics:	AA 22-255
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MFAP4 protein is labelled with His-DYKDDDDK Tag.

Product Details

Purpose:	Human MFAP4 Protein
Sequence:	Val22-Ala255
Characteristics:	Recombinant Human MFAP4 Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Val22-Ala255.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human MFAP4, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-MFAP4 Antibody, hFc Tag with the EC50 of 13.4ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	MFAP4
Alternative Name:	MFAP4 (MFAP4 Products)
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:	28.6 kDa. Due to glycosylation, the protein migrates to 38-45 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

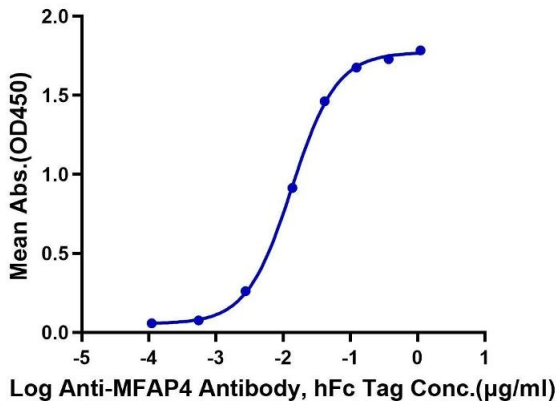
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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. Human MFAP4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human MFAP4, His Tag ELISA
0.05µg Human MFAP4, His Tag Per Well



ELISA

Image 2. Immobilized Human MFAP4, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-MFAP4 Antibody, hFc Tag with the EC50 of 13.4 ng/mL determined by ELISA.