Human MFAP4 Protein

Cat. No. MAP-HM104

Description

Source	Recombinant Human MFAP4 Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus.
	It contains Val22-Ala255.
Accession	P55083-1
Molecular Weight	The protein has a predicted MW of 28.6 kDa. Due to glycosylation, the protein migrates to 38-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

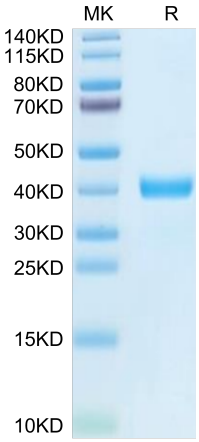
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

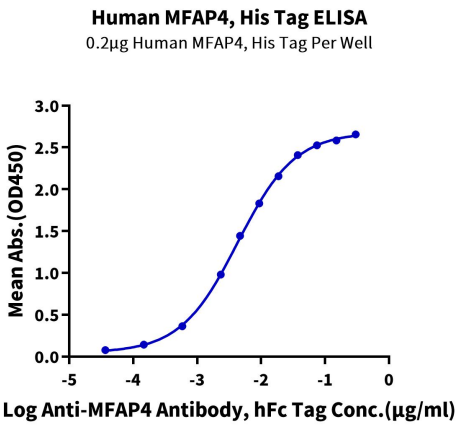
Assay Data

Bis-Tris PAGE



Human MFAP4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data



Immobilized Human MFAP4, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-MFAP4 Antibody, hFc Tag with the EC50 of 4.3ng/ml determined by ELISA.