

RP02746

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Recombinant Human MFAP4 Protein

Catalog No.: RP02746 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	4239	P55083-1

Tags

N-His&Flag

Synonyms

Microfibril-associated glycoprotein 4 ; Mfap4

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact



www.abclonal.com

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.

Basic Information

Description

Recombinant Human MFAP4 Protein is expressed from Expi293 with His tag and Flag tag at the N-terminal. ; It contains Val22-Ala255.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

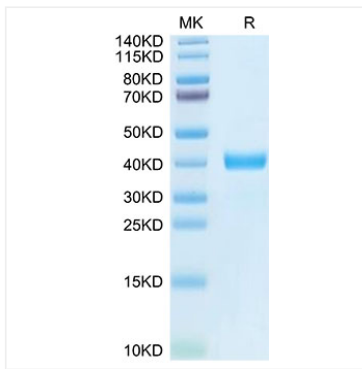
For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

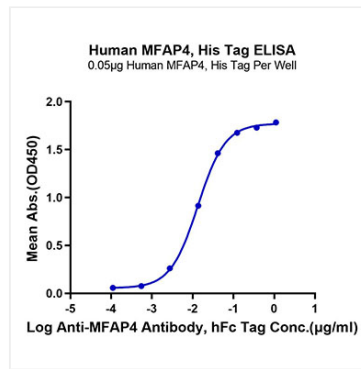
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Human MFAP4 Protein was determined by Tris-Bis PAGE under reducing conditions.



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.