

Recombinant Human MFAP4 Protein

Catalog No.: RP02746

Sequence Information

Species Gene ID

Human 4239

Swiss Prot Tags

P55083-1 N-His&Flag

Synonyms

Microfibril-associated glycoprotein 4; Mfap4

Product Information

Source Purification

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

Calculated MW Observed MW

28.6 kDa 38-45 kDa

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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

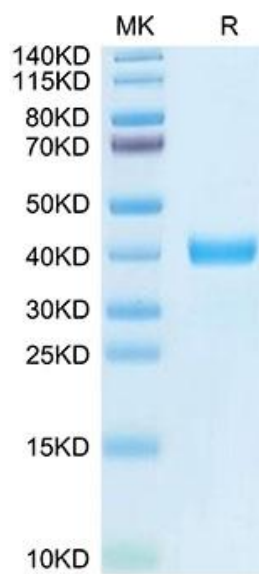
Contact

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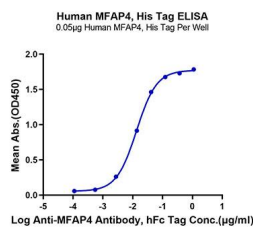
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Validation Data



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.