Recombinant Human Microfibrillar-associated protein 5 Protein

Catalog No.: RP02966

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Sequence Information

Species
Human

Gene ID
8076

Swiss Prot
Q13361

Tags
C-His

Synonyms
AAT9 ; MAGP-2 ; MAGP2 ; MFAP-5; MP25

Product Information

Source
HEK293 Cells

Purification
≥ 85 % as determined by SDS-PAGE.

Calculated MW
18.7 kDa

Observed MW
29, 54 kDa

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

Formulation
Lyophilized from sterile PBS, pH 7.4

Reconstitution
Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

MFAP5 (Microfibril Associated Protein 5, also known as MAGP2) is a Protein Coding gene. MFAP5 is a component of the elastin-associated microfibrils. It belongs to the MFAP family. As a 25-kD microfibril-associated glycoprotein, MFAP5 is rich in serine and threonine residues. It stimulates the assembly of elastic fibers, a complex structure composed of a tropoelastin inner core and microfibril outer mantle comprising proteins such as fibrillins and microfibril-associated glycoproteins that guide tropoelastin deposition. MFAP5 also stabilizes type 1 procollagen and thus plays an important role in extracellular matrix homeostasis. It has multiple binding regions on fibrillins and has a covalent periodic association with fibrillin-containing microfibrils. Diseases associated with MFAP5 include Aortic Aneurysm, Familial Thoracic 9, and Familial Thoracic Aortic Aneurysm And Aortic Dissection.

Basic Information

Description
Recombinant Human Microfibrillar-associated protein 5 Protein is produced by HEK293 Cells expression system. The target protein is expressed with sequence (Met1-Leu173) of human Microfibrillar-associated protein 5 (Accession #NP_003471.1) fused with a 6×His tag at the C-terminus.

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℃

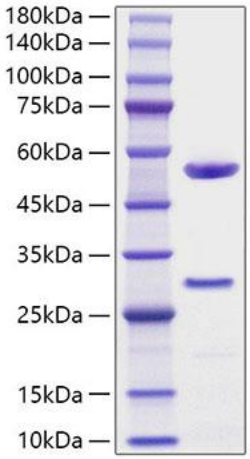
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



Recombinant Human Microfibrillar-associated protein 5 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.