

Recombinant Human Microfibrillar-associated protein 5 Protein

Catalog No.: RP02966 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	8076	Q13361

Tags

C-His

Synonyms

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

Product Information

Source	Purification
HEK293 Cells	> 85 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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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

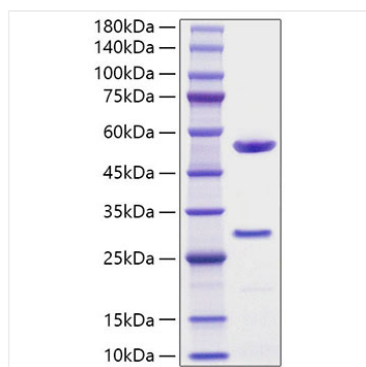
Recombinant Human Microfibrillar-associated protein 5 Protein is produced by HEK293 Cells expression system. The target protein is expressed with sequence (Met1-Leu173) of human Microfibrillar-associated protein 5 (Accession #NP_003471.1) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Microfibrillar-associated protein 5 Protein was determined by SDS-PAGE with Coomassie Blue, The recombinant human MFAP5 comprises 163 amino acids and has a predicted molecular mass of 18.7 kDa. The apparent molecular mass of the protein is approximately 54 and 29 kDa in SDS-PAGE under reducing conditions.