Recombinant Mouse Asprosin/Fibrillin-1/FBN1 Protein

Catalog No.: RP02819

Sequence Information

Species
Mouse

Gene ID
14118

Swiss Prot
Q61554

Tags
N-His

Synonyms
Fibrillin-1;Fbn1;Asprosin;Fbn-1; FBN1

Product Information

Source
HEK293 cells

Purification
≥ 90% as determined by SDS-PAGE.

Calculated MW
16.73 kDa

Observed MW
25-35 kDa

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 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

Asprosin is a protein hormone that is produced by white adipose tissue in mammals (and potentially by other tissues), which is then transported to the liver and stimulates it to release glucose into the blood stream. In the liver asprosin activates rapid glucose release by a cAMP-dependent pathway. The glucose release by the liver into the blood stream is vital for brain function and survival during fasting. People with neonatal progeroid syndrome lack asprosin, while people with insulin resistance have it in abundance. In animal tests asprosin showed potential for treating type 2 diabetes. When antibodies targeting asprosin were injected into diabetic mice, blood glucose and insulin levels improved.

Basic Information

Description
Recombinant Mouse Fibrillin-1/FBN1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser2734-His2873) of mouse Fibrillin-1/FBN1 (Accession #AAA56840.1) fused with a 8×His tag at the N-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℃

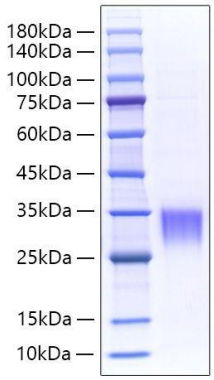
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
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Validation Data



Recombinant Mouse Asprosin/Fibrillin-1/FBN1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.