

Recombinant Human Fibrillin-1/FBN1 Protein

Catalog No.: RP02988

Sequence Information

Species **Gene ID**
Human 2200

Swiss Prot **Tags**
P35555 N-His

Synonyms

Fibrillin-1; Fbn1; Asprosin; Fbn-1

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
17 kDa 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 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

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 Human Fibrillin-1/FBN1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser2732-His2871) of human Fibrillin-1/FBN1 (Accession #NP_000129.3) 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°C

Operational Notes

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

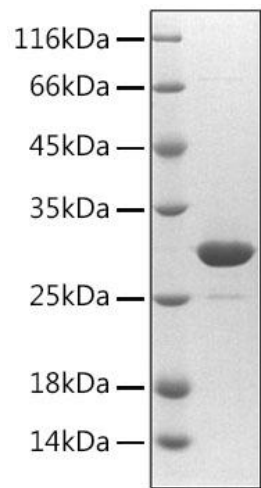
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Validation Data



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