

# Recombinant Human Fibrillin-1/FBN1 Protein

Catalog No.: RP02988 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2200	P35555

### Tags

N-His

### Synonyms

Fibrillin-1; Fbn1; Asprosin; Fbn-1

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by reducing SDS-PAGE.

Calculated MW	Observed MW
17 kDa	25-35 kDa

### Endotoxin

&lt;1EU/μg

### 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.

## Contact

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## 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 8xHis tag at the N-terminus.

### Bio-Activity

### Storage

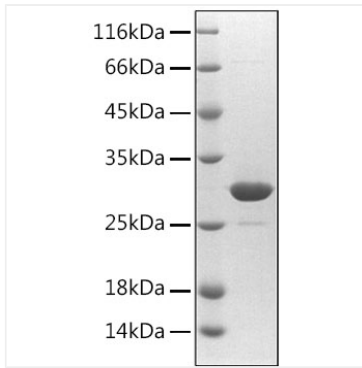
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human Fibrillin-1/FBN1 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 25-35 KDa.