

Recombinant Mouse Fbn1 Protein, His-tagged

Cat. No. Fbn1-1465M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fbn1 Protein (Leu457-Asp634) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu457-Asp634
Description	This gene encodes a member of the fibrillin family of proteins. The encoded preproprotein is proteolytically processed to generate two proteins including the extracellular matrix component fibrillin-1 and the protein hormone asprosin. Fibrillin-1 is an extracellular matrix glycoprotein that serves as a structural component of calcium-binding microfibrils. Asprosin, secreted by white adipose tissue, has been shown to regulate glucose homeostasis. Homozygous knockout mice for this gene exhibit impaired aortic development and early postnatal death, which was attributed to a deficiency in the fibrillin-1 protein. Mice with a hypomorphic allele of this gene exhibit impaired glucose homeostasis, likely due to a reduction in serum asprosin levels.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.4 kDa Accurate Molecular Mass: 21 kDa

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Purity	> 97%
Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Fbn1 fibrillin 1 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Fbn1
Synonyms	FBN1; fibrillin 1; fibrillin-1; tight skin; Tsk; Fib-1; AI536462; B430209H23;
Gene ID	14118
mRNA Refseq	NM_007993
Protein Refseq	NP_032019

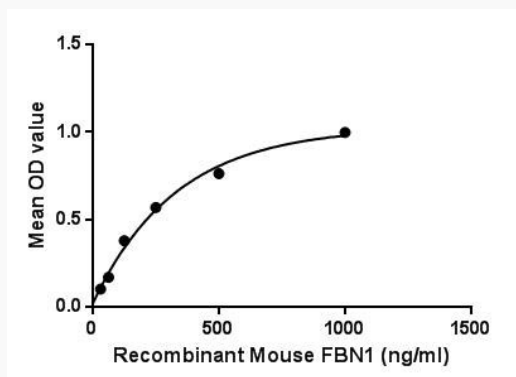
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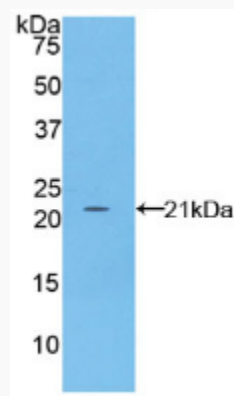
UniProt ID **P35555**

Bioactivity



The binding activity of FBN1 with FBLN2.

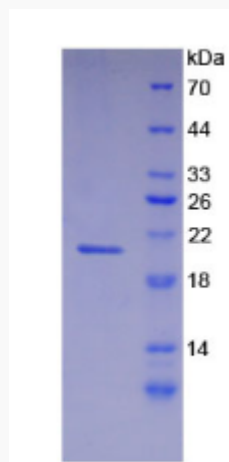
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