Recombinant Mouse Fbn1 protein, His-tagged

Cat. No. Fbn1-2626M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fbn1 aa. (Thr959~Gly1145) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Thr959~Gly1145
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: 22.4kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

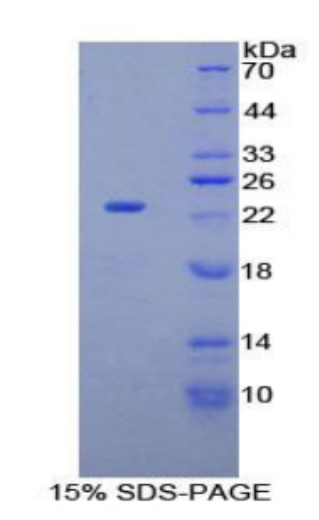
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>97%
Characteristic	The isoelectric point is 5.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Fbn1 fibrillin 1 [Mus musculus (house mouse)]
Official Symbol	Fbn1
Synonyms	Fbn1; fibrillin 1; Tsk; Fib-1; AI536462; B430209H23; fibrillin-1; tight skin
Gene ID	14118
mRNA Refseq	XM_006498747.1
Protein Refseq	XP_006498810.1

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UniProt ID	Q61554
SDS-PAGE	

15% SDS-PAGE

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