Recombinant Human FBN1 protein, His & GST-tagged

Cat. No. FBN1-2623H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FBN1 aa. (Val449~Cys711 (Accession # P35555)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val449~Cys711
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. These microfibrils provide force-bearing structural support in elastic and nonelastic connective tissue throughout the body. Asprosin, secreted by white adipose tissue, has been shown to regulate glucose homeostasis. Mutations in this gene are associated with Marfan syndrome and the related MASS phenotype, as well as ectopia lentis syndrome, Weill-Marchesani syndrome, Shprintzen-Goldberg syndrome and neonatal progeroid syndrome.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 60.6kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 5.8.
Applications	SDS-PAGE; WB; ELISA; IP
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	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	FBN1 fibrillin 1 [Homo sapiens (human)]
Official Symbol	FBN1
Synonyms	FBN1; fibrillin 1; FBN; SGS; WMS; MASS; MFLS; MFS1; OCTD; SSKS; WMS2; ACMICD; ECTOL1; GPHYSD2; fibrillin-1; asprosin; fibrillin 15; fibrillin-1 preproprotein
Gene ID	2200
mRNA Refseq	NM_000138.4

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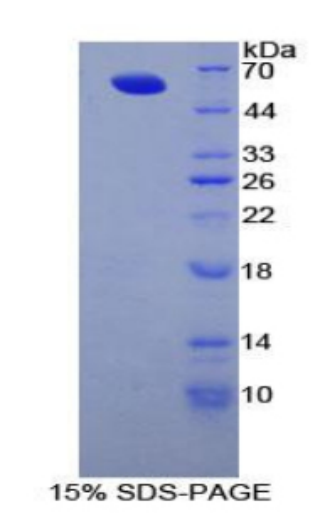
Protein Refseq	NP_000129.3
UniProt ID	P35555
SDS-PAGE	

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