Recombinant Human FBN1 Protein, His-tagged

Cat. No. FBN1-371H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FBN1 Protein (Ser2732-His2871) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser2732-His2871
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: 19.6 kDa Accurate Molecular Mass: 20 kDa

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Purity	> 90%
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 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 sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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; epididymis secretory sperm binding protein; fibrillin 15; fibrillin-1 preproprotein
Gene ID	2200
mRNA Refseq	NM_000138

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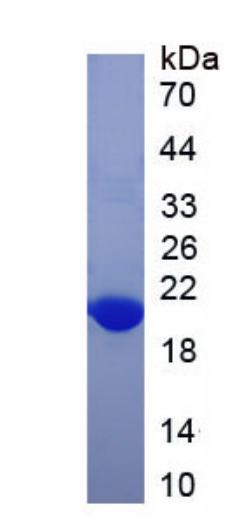
Protein Refseq	NP_000129
MIM	134797
UniProt ID	P35555
	

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