Recombinant Human FBN1 protein, His-tagged

Cat. No. FBN1-282H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FBN1(Asp246~Cys389) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp246~Cys389
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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	47.2kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

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Purity	> 95%
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 centigradefor 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 centigradefor one month. Aliquot and store at -80 centigradefor 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	FBN1 fibrillin 1 [Homo sapiens]
Official Symbol	FBN1
Synonyms	FBN1; fibrillin 1; FBN, fibrillin 1 (Marfan syndrome) , MFS1, WMS; fibrillin-1; Marfan syndrome; MASS; OCTD; SGS; fibrillin 15; FBN; WMS; MFS1; SSKS; WMS2; ACMICD; GPHYSD2;
Gene ID	2200
mRNA Refseq	NM_000138
Protein Refseq	NP_000129
MIM	134797

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UniProt ID	P35555
Chromosome Location	15q21.1
Pathway	Integrin cell surface interactions, organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Function	calcium ion binding; extracellular matrix structural constituent; protein binding;

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