

Recombinant Human FBN1

Cat. No. FBN1-28892TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 2772-2871 of Human Fibrillin 1 with an N terminal proprietary tag; Predicted MWt 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a member of the fibrillin family. The encoded protein is a large, extracellular matrix glycoprotein that serve as a structural component of 10-12 nm calcium-binding microfibrils. These microfibrils provide force bearing structural support in elastic and nonelastic connective tissue throughout the body. Mutations in this gene are associated with Marfan syndrome, isolated ectopia lentis, autosomal dominant Weill-Marchesani syndrome, MASS syndrome, and Shprintzen-Goldberg craniosynostosis syndrome.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

 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

Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SNKVRILELLPALTTLTNHNRYLIESGNEDGFFKINQKEGISYLFHTKKKPVAGTYSLQI SSTPLYKKKELNQLEDKYDKDYLSGELGDNLMKMKIQVLLH
Sequence Similarities	Belongs to the fibrillin family.Contains 47 EGF-like domains.Contains 9 TB (TGF-beta binding) domains.

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;
Gene ID	2200
mRNA Refseq	NM_000138
Protein Refseq	NP_000129
MIM	134797
Uniprot ID	P35555
Chromosome Location	15q21.1
Pathway	Integrin cell surface interactions, organism-specific biosystem; Signal Transduction,

 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

organism-specific biosystem;

Function

calcium ion binding; extracellular matrix structural constituent; protein binding;

 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