

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

B6.129-Fbn1^{tm1Hcd}/J

RRID:IMSR_JAX:012885

Type: Organism

Proper Citation

RRID:IMSR_JAX:012885

Organism Information

URL: <https://www.jax.org/strain/012885>

Proper Citation: RRID:IMSR_JAX:012885

Description: Mus musculus with name B6.129-Fbn1^{tm1Hcd}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: fibrillin 1; mutant strain|congenic strain: Fbn1

Affected Gene: fibrillin 1

Genomic Alteration: targeted mutation 1; Harry C Dietz

Catalog Number: JAX:012885

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129-Fbn1^{tm1Hcd}/J

Record Creation Time: 20250513T053723+0000

Record Last Update: 20260725T044432+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Fbn1^{tm1Hcd}/J.

No alerts have been found for B6.129-Fbn1^{tm1Hcd}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#).

Franklin MK, et al. (2025) Angiotensin II Induces Abdominal Aortic Branch Aneurysms in Fibrillin-1 C1041G/+ Mice. bioRxiv : the preprint server for biology.

Rodríguez-Rovira I, et al. (2023) Hyperuricaemia Does Not Interfere with Aortopathy in a Murine Model of Marfan Syndrome. International journal of molecular sciences, 24(14).

Pedroza AJ, et al. (2023) Smooth Muscle Cell Klf4 Expression Is Not Required for Phenotype Modulation or Aneurysm Formation in Marfan Syndrome Mice-Brief Report. Arteriosclerosis, thrombosis, and vascular biology, 43(6), 971.

Muthu ML, et al. (2022) Fibrillin-1 regulates white adipose tissue development, homeostasis, and function. Matrix biology : journal of the International Society for Matrix Biology, 110, 106.

Huang K, et al. (2021) Targeting feed-forward signaling of TGF β /NOX4/DHFR/eNOS uncoupling/TGF β axis with anti-TGF β and folic acid attenuates formation of aortic aneurysms: Novel mechanisms and therapeutics. Redox biology, 38, 101757.

Huang TH, et al. (2021) Vitamin B Mitigates Thoracic Aortic Dilation in Marfan Syndrome Mice by Restoring the Canonical TGF- β Pathway. International journal of molecular sciences, 22(21).

Dye BK, et al. (2020) Smooth Muscle α -Actin Expression in Mitral Valve Interstitial Cells is Important for Mediating Extracellular Matrix Remodeling. Journal of cardiovascular development and disease, 7(3).

Xiao W, et al. (2020) LncRNA Sox2ot modulates the progression of thoracic aortic aneurysm by regulating miR-330-5p/Myh11. Bioscience reports, 40(7).

Boileau A, et al. (2019) MiR-574-5p: A Circulating Marker of Thoracic Aortic Aneurysm. International journal of molecular sciences, 20(16).

Lino Cardenas CL, et al. (2018) An HDAC9-MALAT1-BRG1 complex mediates smooth muscle dysfunction in thoracic aortic aneurysm. Nature communications, 9(1), 1009.