

Resource Summary Report

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B6.FVB-Tg(Cdh5-cre)7Mlia/J

RRID:IMSR_JAX:006137

Type: Organism

Proper Citation

RRID:IMSR_JAX:006137

Organism Information

URL: <https://www.jax.org/strain/006137>

Proper Citation: RRID:IMSR_JAX:006137

Description: Mus musculus with name B6.FVB-Tg(Cdh5-cre)7Mlia/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Cdh5-cre)7Mlia/J

Notes: gene symbol note: transgene insertion 7; M Luisa Iruela-Arispe|cadherin 5]; mutant strain|congenic strain: Tg(Cdh5-cre)7Mlia|Cdh5|

Affected Gene: transgene insertion 7; M Luisa Iruela-Arispe|cadherin 5|

Genomic Alteration: transgene insertion 7; M Luisa Iruela-Arispe

Catalog Number: JAX:006137

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.FVB-Tg(Cdh5-cre)7Mlia/J

Record Creation Time: 20250513T053655+0000

Record Last Update: 20260801T050357+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB-Tg(Cdh5-cre)7Mlia/J.

No alerts have been found for B6.FVB-Tg(Cdh5-cre)7Mlia/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Wang DM, et al. (2026) CaMKK γ regulates transcription factor Elf2 gene methylation to maintain endothelial junctional barrier integrity. *iScience*, 29(1), 114255.

Kim MS, et al. (2025) ETV2/ER71 regulates hematovascular lineage generation and vascularization through an H3K9 demethylase, KDM4A. *iScience*, 28(1), 111538.

Pi D, et al. (2025) Resolving the design principles that control post-natal vascular growth and scaling. *Cell systems*, 16(7), 101324.

Peng Y, et al. (2025) Tolerance to non-inherited maternal antigen is sustained by LysM⁺ CD11c⁺ maternal microchimeric cells. *Immunity*, 58(9), 2176.

Zong P, et al. (2025) TRPM2 overactivation drives hyperlipidemia-induced dysfunction of myeloid cells and neurovascular units. *Cell reports. Medicine*, 6(3), 101998.

Jolibois J, et al. (2024) Targeting TXNIP in endothelial progenitors mitigates IL-8-induced neutrophil recruitment under metabolic stress. *Stem cell research & therapy*, 15(1), 225.

Zhou T, et al. (2024) Myeloid-Specific Thrombospondin-1 Deficiency Exacerbates Aortic Rupture via Broad Suppression of Extracellular Matrix Proteins. *bioRxiv : the preprint server for biology*.

Furon J, et al. (2023) Blood tissue Plasminogen Activator (tPA) of liver origin contributes to neurovascular coupling involving brain endothelial N-Methyl-D-Aspartate (NMDA) receptors. *Fluids and barriers of the CNS*, 20(1), 11.

Godoy RS, et al. (2023) Single-cell transcriptomic atlas of lung microvascular regeneration after targeted endothelial cell ablation. *eLife*, 12.

Barisas DAG, et al. (2023) Tumor-derived interleukin-1 γ and leukemia inhibitory factor promote extramedullary hematopoiesis. *PLoS biology*, 21(5), e3001746.

Wu X, et al. (2023) Regulating the cell shift of endothelial cell-like myofibroblasts in pulmonary fibrosis. *The European respiratory journal*, 61(6).

Hu X, et al. (2023) A TRPV4-dependent neuroimmune axis in the spinal cord promotes neuropathic pain. *The Journal of clinical investigation*, 133(5).

Béland-Millar A, et al. (2023) 16p11.2 haploinsufficiency reduces mitochondrial biogenesis in brain endothelial cells and alters brain metabolism in adult mice. *Cell reports*, 42(5), 112485.

Borriello L, et al. (2022) Primary tumor associated macrophages activate programs of invasion and dormancy in disseminating tumor cells. *Nature communications*, 13(1), 626.

Liu L, et al. (2022) PKA and Epac1 Reduce Nek7 to Block the NLRP3 Inflammasome Proteins in the Retinal Vasculature. *Investigative ophthalmology & visual science*, 63(1), 14.

Canalis E, et al. (2022) Induction of a NOTCH3 Lehman syndrome mutation in osteocytes causes osteopenia in male C57BL/6J mice. *Bone*, 162, 116476.

Li W, et al. (2022) Endothelial cells regulate astrocyte to neural progenitor cell trans-differentiation in a mouse model of stroke. *Nature communications*, 13(1), 7812.

Yang Q, et al. (2022) Endothelial AMPK α 1/PRKAA1 exacerbates inflammation in HFD-fed mice. *British journal of pharmacology*, 179(8), 1661.

Jacob JM, et al. (2022) PDGFR β -induced stromal maturation is required to restrain postnatal intestinal epithelial stemness and promote defense mechanisms. *Cell stem cell*, 29(5), 856.

Hultgren NW, et al. (2020) Slug regulates the Dll4-Notch-VEGFR2 axis to control endothelial cell activation and angiogenesis. *Nature communications*, 11(1), 5400.