

Resource Summary Report

Generated by [kravitz2](#) on Sep 18, 2026

FVB/N-Tmem163^{Tg(ACTB-cre)}2Mrt/J

RRID:IMSR_JAX:003376

Type: Organism

Proper Citation

RRID:IMSR_JAX:003376

Organism Information

URL: <https://www.jax.org/strain/003376>

Proper Citation: RRID:IMSR_JAX:003376

Description: Mus musculus with name FVB/N-Tmem163^{Tg(ACTB-cre)}2Mrt/J from IMSR.

Species: Mus musculus

Synonyms: FVB/N-TgN(ACTB-Cre)2Mrt. FVB/N-Tg(ACTB-cre)2Mrt/J

Notes: gene symbol note: transmembrane protein 163||actin beta; mutant strain: Tmem163||ACTB

Affected Gene: transmembrane protein 163||actin beta

Genomic Alteration: transgene insertion 2; Gail R Martin

Catalog Number: JAX:003376

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: FVB/N-Tmem163^{Tg(ACTB-cre)}2Mrt/J

Record Creation Time: 20250513T053639+0000

Record Last Update: 20260912T060423+0000

Ratings and Alerts

No rating or validation information has been found for FVB/N-Tmem163^{Tg(ACTB-cre)}2Mrt/J.

No alerts have been found for FVB/N-Tmem163^{Tg(ACTB-cre)2Mrt/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Wengert ER, et al. (2026) Impaired excitability of fast-spiking neurons in a novel mouse model of KCNC1 epileptic encephalopathy. *eLife*, 13.

Pouchelon G, et al. (2022) A versatile viral toolkit for functional discovery in the nervous system. *Cell reports methods*, 2(6), 100225.

Liu R, et al. (2021) YTHDC2 is essential for pachytene progression and prevents aberrant microtubule-driven telomere clustering in male meiosis. *Cell reports*, 37(11), 110110.

Ridge LA, et al. (2021) Dual role for CXCL12 signaling in semilunar valve development. *Cell reports*, 36(8), 109610.

Matesic LE, et al. (2020) The ubiquitin ligase WWP1 contributes to shifts in matrix proteolytic profiles and a myocardial aging phenotype with diastolic heart. *American journal of physiology. Heart and circulatory physiology*, 319(4), H765.

Ruhland MK, et al. (2020) Visualizing Synaptic Transfer of Tumor Antigens among Dendritic Cells. *Cancer cell*, 37(6), 786.

Al-Shekaili HH, et al. (2020) A novel mouse model for pyridoxine-dependent epilepsy due to antiquitin deficiency. *Human molecular genetics*, 29(19), 3266.

Orthofer M, et al. (2020) Identification of ALK in Thinness. *Cell*, 181(6), 1246.

Korecki AJ, et al. (2019) Twenty-Seven Tamoxifen-Inducible iCre-Driver Mouse Strains for Eye and Brain, Including Seventeen Carrying a New Inducible-First Constitutive-Ready Allele. *Genetics*, 211(4), 1155.

Pu??al VM, et al. (2019) Large-scale death of retinal astrocytes during normal development is non-apoptotic and implemented by microglia. *PLoS biology*, 17(10), e3000492.

Nakano Y, et al. (2018) Defects in the Alternative Splicing-Dependent Regulation of REST Cause Deafness. *Cell*, 174(3), 536.

Fogel JL, et al. (2017) A minimally sufficient model for rib proximal-distal patterning based on genetic analysis and agent-based simulations. *eLife*, 6.

Ferrandino G, et al. (2017) An extremely high dietary iodide supply forestalls severe hypothyroidism in Na⁺/I⁻ symporter (NIS) knockout mice. *Scientific reports*, 7(1), 5329.

Lake JI, et al. (2016) Neural crest requires Impdh2 for development of the enteric nervous system, great vessels, and craniofacial skeleton. *Developmental biology*, 409(1), 152.