

Resource Summary Report

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B6N.FVB-Tmem163^{Tg(ACTB-cre)}2Mrt/CjDswJ

RRID:IMSR_JAX:019099

Type: Organism

Proper Citation

RRID:IMSR_JAX:019099

Organism Information

URL: <https://www.jax.org/strain/019099>

Proper Citation: RRID:IMSR_JAX:019099

Description: Mus musculus with name B6N.FVB-Tmem163^{Tg(ACTB-cre)}2Mrt/CjDswJ from IMSR.

Species: Mus musculus

Synonyms: B6N.FVB-Tg(ACTB-cre)2Mrt/CjDswJ

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

Affected Gene: actin beta|transmembrane protein 163|

Genomic Alteration: transgene insertion 2; Gail R Martin

Catalog Number: JAX:019099

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6N.FVB-Tmem163^{Tg(ACTB-cre)}2Mrt/CjDswJ

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260725T044448+0000

Ratings and Alerts

No rating or validation information has been found for B6N.FVB-Tmem163^{Tg}(ACTB-cre)^{2Mrt}/CjDswJ.

No alerts have been found for B6N.FVB-Tmem163^{Tg}(ACTB-cre)^{2Mrt}/CjDswJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Sierra I, et al. (2025) B cell stimulation changes the structure and higher-order organization of the inactive X chromosome. *Cell reports*, 44(3), 115351.

Leung CLK, et al. (2023) Analysis of a genetic region affecting mouse body weight. *Physiological genomics*, 55(3), 132.

Javed S, et al. (2023) Smith-Magenis syndrome protein RAI1 regulates body weight homeostasis through hypothalamic BDNF-producing neurons and neurotrophin downstream signalling. *eLife*, 12.

Lusk SJ, et al. (2022) A CRISPR toolbox for generating intersectional genetic mouse models for functional, molecular, and anatomical circuit mapping. *BMC biology*, 20(1), 28.

Son JS, et al. (2022) Maternal exercise intergenerationally drives muscle-based thermogenesis via activation of apelin-AMPK signaling. *EBioMedicine*, 76, 103842.

Xie C, et al. (2021) Endoderm development requires centrioles to restrain p53-mediated apoptosis in the absence of ERK activity. *Developmental cell*, 56(24), 3334.

Wang M, et al. (2021) Oligophrenin-1 moderates behavioral responses to stress by regulating parvalbumin interneuron activity in the medial prefrontal cortex. *Neuron*, 109(10), 1636.

Shu HS, et al. (2021) Tracing the skeletal progenitor transition during postnatal bone formation. *Cell stem cell*, 28(12), 2122.

Lisse TS, et al. (2020) GDNF promotes hair formation and cutaneous wound healing by targeting bulge stem cells. *NPJ Regenerative medicine*, 5, 13.

Kim H, et al. (2020) Region and Cell Type Distribution of TCF4 in the Postnatal Mouse Brain. *Frontiers in neuroanatomy*, 14, 42.

Son JS, et al. (2020) Maternal Inactivity Programs Skeletal Muscle Dysfunction in Offspring Mice by Attenuating Apelin Signaling and Mitochondrial Biogenesis. *Cell reports*, 33(9), 108461.

Koirala S, et al. (2020) Tissue-Specific Regulation of the Wnt/ β -Catenin Pathway by PAGE4 Inhibition of Tankyrase. *Cell reports*, 32(3), 107922.

Eisa AA, et al. (2019) YWHA (14-3-3) protein isoforms and their interactions with CDC25B phosphatase in mouse oogenesis and oocyte maturation. *BMC developmental biology*, 19(1), 20.

Tal R, et al. (2019) Adult bone marrow progenitors become decidual cells and contribute to embryo implantation and pregnancy. *PLoS biology*, 17(9), e3000421.

Pua HH, et al. (2019) Increased Hematopoietic Extracellular RNAs and Vesicles in the Lung during Allergic Airway Responses. *Cell reports*, 26(4), 933.

Saifetiarova J, et al. (2019) Ablation of cytoskeletal scaffolding proteins, Band 4.1B and Whirlin, leads to cerebellar purkinje axon pathology and motor dysfunction. *Journal of neuroscience research*, 97(3), 313.

Thaxton C, et al. (2018) Common Pathophysiology in Multiple Mouse Models of Pitt-Hopkins Syndrome. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(4), 918.

Heimsath EG, et al. (2017) Myosin-X knockout is semi-lethal and demonstrates that myosin-X functions in neural tube closure, pigmentation, hyaloid vasculature regression, and filopodia formation. *Scientific reports*, 7(1), 17354.

Saifetiarova J, et al. (2017) Early and Late Loss of the Cytoskeletal Scaffolding Protein, Ankyrin G Reveals Its Role in Maturation and Maintenance of Nodes of Ranvier in Myelinated Axons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(10), 2524.