Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 15, 2025

B6.Cg-Tg(RP23-268L19-EGFP)2Mik/J

RRID:IMSR_JAX:007902 Type: Organism

Proper Citation

RRID:IMSR_JAX:007902

Organism Information

URL: https://www.jax.org/strain/007902

Proper Citation: RRID:IMSR_JAX:007902

Description: Mus musculus with name B6.Cg-Tg(RP23-268L19-EGFP)2Mik/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |choline O-acetyltransferase|transgene insertion 2; Michael I Kotlikoff; mutant strain: |Chat|Tg(RP23-268L19-EGFP)2Mik

Affected Gene: |choline O-acetyltransferase|transgene insertion 2; Michael I Kotlikoff

Genomic Alteration: transgene insertion 2; Michael I Kotlikoff

Catalog Number: JAX:007902

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(RP23-268L19-EGFP)2Mik/J

Record Creation Time: 20250513T053704+0000

Record Last Update: 20250513T053847+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(RP23-268L19-EGFP)2Mik/J.

No alerts have been found for B6.Cg-Tg(RP23-268L19-EGFP)2Mik/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 35 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Karnup S, et al. (2024) Sexual Dimorphism of Spinal Neural Circuits Controlling the Mouse External Urethral Sphincter With and Without Spinal Cord Injury. The Journal of comparative neurology, 532(7), e25658.

Billipp TE, et al. (2024) Tuft cell-derived acetylcholine promotes epithelial chloride secretion and intestinal helminth clearance. Immunity, 57(6), 1243.

Gradwell MA, et al. (2024) Multimodal sensory control of motor performance by glycinergic interneurons of the mouse spinal cord deep dorsal horn. Neuron.

Luo S, et al. (2024) Cholinergic macrophages promote the resolution of peritoneal inflammation. Proceedings of the National Academy of Sciences of the United States of America, 121(27), e2402143121.

Santoscoy MC, et al. (2023) An AAV capsid increases transduction of striatum and a ChAT promoter allows selective cholinergic neuron transduction. Molecular therapy. Methods & clinical development, 29, 532.

Gamage R, et al. (2023) Evaluation of eGFP expression in the ChAT-eGFP transgenic mouse brain. BMC neuroscience, 24(1), 4.

Ahmed O, et al. (2023) Hepatic stellate cell activation markers are regulated by the vagus nerve in systemic inflammation. Bioelectronic medicine, 9(1), 6.

Chuhma N, et al. (2023) The dopamine neuron synaptic map in the striatum. Cell reports, 42(3), 112204.

Liu Y, et al. (2023) Mapping visual functions onto molecular cell types in the mouse superior colliculus. Neuron, 111(12), 1876.

Adoff H, et al. (2023) Ligand-directed labeling of opioid receptors for covalent attachment of fluorophores or small-molecule probes. STAR protocols, 4(2), 102231.

Mahmoud W, et al. (2022) CXCL13 is expressed in a subpopulation of neuroendocrine cells in the murine trachea and lung. Cell and tissue research, 390(1), 35.

LaForce GR, et al. (2022) Suppression of premature transcription termination leads to reduced mRNA isoform diversity and neurodegeneration. Neuron, 110(8), 1340.

Hamnett R, et al. (2022) Regional cytoarchitecture of the adult and developing mouse enteric nervous system. Current biology : CB, 32(20), 4483.

Baimel C, et al. (2022) Hippocampal-evoked inhibition of cholinergic interneurons in the nucleus accumbens. Cell reports, 40(1), 111042.

Yu Q, et al. (2021) Mesenteric Neural Crest Cells Are the Embryological Basis of Skip Segment Hirschsprung's Disease. Cellular and molecular gastroenterology and hepatology, 12(1), 1.

Tao J, et al. (2021) Highly selective brain-to-gut communication via genetically defined vagus neurons. Neuron, 109(13), 2106.

Arttamangkul S, et al. (2021) Functional independence of endogenous ?- and ?-opioid receptors co-expressed in cholinergic interneurons. eLife, 10.

Huang S, et al. (2021) Lymph nodes are innervated by a unique population of sensory neurons with immunomodulatory potential. Cell, 184(2), 441.

Prescott SL, et al. (2020) An Airway Protection Program Revealed by Sweeping Genetic Control of Vagal Afferents. Cell, 181(3), 574.

Perniss A, et al. (2020) Chemosensory Cell-Derived Acetylcholine Drives Tracheal Mucociliary Clearance in Response to Virulence-Associated Formyl Peptides. Immunity, 52(4), 683.