

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

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: 20260919T054853+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 44 mentions in open access literature.

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

Pfeil U, et al. (2026) Preparation of cleared whole-mount urethra and urinary bladder from transcardially perfused mice for immunolabeling and analysis by CLSM. STAR protocols, 7(2), 104542.

Zheng ZW, et al. (2026) Molecular brake on firing pattern transitions in MHbChAT neurons to mediate nicotine-withdrawal-induced anxiety. Neuron, 114(13), 2441.

Kobayashi H, et al. (2026) A self-amplifying nerve-fibroblast circuit drives colorectal cancer progression. Cancer cell.

Lin M, et al. (2025) A cholinergic spinal pathway for the adaptive control of breathing. Cell reports, 44(8), 116078.

Prochera A, et al. (2025) Enteric glia regulate Paneth cell secretion and intestinal microbial ecology. eLife, 13.

Schmidt P, et al. (2025) Tuft cells trigger neurogenic inflammation in the urethra. Cell reports, 44(10), 116370.

Debnath S, et al. (2025) Enteric Neuronal Substrates Underlying Spontaneous and Evoked Neurogenic Contractions in Mouse Colon. Cellular and molecular gastroenterology and hepatology, 19(5), 101462.

Mahmoud W, et al. (2025) Differential expression of villin and advillin by neuroendocrine and tuft cells in the murine lower airways. Cell and tissue research.

Modares NF, et al. (2025) B cell-derived acetylcholine promotes liver regeneration by regulating Kupffer cell and hepatic CD8+ T cell function. Immunity, 58(5), 1201.

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.

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

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

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.