

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

B6;129S4-Gt(ROSA)26Sor^{tm9}(CAG-EGFP/Rpl10a)Amc/J

RRID:IMSR_JAX:024750

Type: Organism

Proper Citation

RRID:IMSR_JAX:024750

Organism Information

URL: <https://www.jax.org/strain/024750>

Proper Citation: RRID:IMSR_JAX:024750

Description: Mus musculus with name B6;129S4-Gt(ROSA)26Sor^{tm9}(CAG-EGFP/Rpl10a)Amc/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |enhanced green fluorescent protein; ribosomal protein 10|gene trap ROSA 26; Philippe Soriano; mutant stock: |EGFP/Rpl10|Gt(ROSA)26Sor

Affected Gene: |enhanced green fluorescent protein; ribosomal protein 10|gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 9; Andrew P McMahon

Catalog Number: JAX:024750

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129S4-Gt(ROSA)26Sor^{tm9}(CAG-EGFP/Rpl10a)Amc/J

Record Creation Time: 20250513T053752+0000

Record Last Update: 20260808T050954+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S4-Gt(ROSA)26Sor^{tm9}(CAG-EGFP/Rpl10a)Amc/J.

No alerts have been found for B6;129S4-Gt(ROSA)26Sor^{tm9}(CAG-EGFP/Rpl10a)Amc/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

D'Alessandro A, et al. (2026) Desmosomes compartmentalize mRNA and translation in the skin. *Developmental cell*, 61(5), 1076.

Adler D, et al. (2026) Activity-dependent protein synthesis in neurons requires microglial-metabolic coupling. *Cell metabolism*.

Xiao T, et al. (2025) RAD23B acquires a copper metalloadaptor function in amphibian-to-reptile evolution to increase metabolism and regulate genomic integrity. *Molecular cell*, 85(18), 3443.

Ding X, et al. (2025) Neuroendocrine circuit for sleep-dependent growth hormone release. *Cell*, 188(18), 4968.

Francois M, et al. (2025) Leptin receptor neurons in the dorsomedial hypothalamus require distinct neuronal subsets for thermogenesis and weight loss. *Metabolism: clinical and experimental*, 163, 156100.

Jetsonen E, et al. (2025) Chronic treatment with fluoxetine regulates mitochondrial features and plasticity-associated transcriptomic pathways in parvalbumin-positive interneurons of prefrontal cortex. *Neuropsychopharmacology* : official publication of the American College of Neuropsychopharmacology.

Bozadjieva-Kramer N, et al. (2024) Intestinal FGF15 regulates bile acid and cholesterol metabolism but not glucose and energy balance. *JCI insight*, 9(7).

Bhat GP, et al. (2024) Structured wound angiogenesis instructs mesenchymal barrier compartments in the regenerating nerve. *Neuron*, 112(2), 209.

Schwalbe DC, et al. (2024) Molecular Organization of Autonomic, Respiratory, and Spinally-Projecting Neurons in the Mouse Ventrolateral Medulla. *The Journal of neuroscience* : the official journal of the Society for Neuroscience, 44(31).

Kawatake-Kuno A, et al. (2024) Sustained antidepressant effects of ketamine metabolite involve GABAergic inhibition-mediated molecular dynamics in aPVT glutamatergic neurons. *Neuron*.

Scott-Hewitt N, et al. (2024) Microglial-derived C1q integrates into neuronal ribonucleoprotein complexes and impacts protein homeostasis in the aging brain. *Cell*, 187(16), 4193.

Jiang Z, et al. (2024) Dopaminergic Neurons in Zona Incerta Drives Appetitive Self-Grooming. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(36), e2308974.

Ip CK, et al. (2023) Critical role of lateral habenula circuits in the control of stress-induced palatable food consumption. *Neuron*, 111(16), 2583.

Qi Y, et al. (2023) *Agrp*-negative arcuate NPY neurons drive feeding under positive energy balance via altering leptin responsiveness in POMC neurons. *Cell metabolism*, 35(6), 979.

Souza GMPR, et al. (2023) Neuromedin B-Expressing Neurons in the Retrotrapezoid Nucleus Regulate Respiratory Homeostasis and Promote Stable Breathing in Adult Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(30), 5501.

Huesing C, et al. (2022) Organization of sympathetic innervation of interscapular brown adipose tissue in the mouse. *The Journal of comparative neurology*, 530(9), 1363.

Yu H, et al. (2022) Developmental single-cell transcriptomics of hypothalamic POMC neurons reveal the genetic trajectories of multiple neuropeptidergic phenotypes. *eLife*, 11.

Zhang C, et al. (2022) A brainstem circuit for nausea suppression. *Cell reports*, 39(11), 110953.

Liu K, et al. (2021) Metabolic stress drives sympathetic neuropathy within the liver. *Cell metabolism*, 33(3), 666.

Huesing C, et al. (2021) Sympathetic innervation of inguinal white adipose tissue in the mouse. *The Journal of comparative neurology*, 529(7), 1465.