Resource Summary Report

Generated by SPARC SAWG on Aug 17, 2026

B6.129S4-Gt(ROSA)26Sor$^{tm1(FLP1)Dym}$/RainJ

RRID:IMSR_JAX:009086
Type: Organism

Proper Citation

RRID:IMSR_JAX:009086

Organism Information

URL: https://www.jax.org/strain/009086

Proper Citation: RRID:IMSR_JAX:009086

Description: Mus musculus with name B6.129S4-Gt(ROSA)26Sor$^{tm1(FLP1)Dym}$/RainJ from IMSR.

Species: Mus musculus

Synonyms: B6.129S4-Gt(ROSA)26Sor/JRainJ

Notes: gene symbol note: |gene trap ROSA 26; Philippe Soriano; congenic strain: |Gt(ROSA)26Sor

Affected Gene: |gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 1; Susan Dymecki

Catalog Number: JAX:009086

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S4-Gt(ROSA)26Sor$^{tm1(FLP1)Dym}$/RainJ

Record Creation Time: 20250513T053713+0000

Record Last Update: 20260815T050633+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Gt(ROSA)26Sor$^{tm1(FLP1)Dym}$/RainJ.

No alerts have been found for B6.129S4-Gt(ROSA)26Sor$^{tm1(FLP1)Dym}$/RainJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 73 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Popek M, et al. (2026) Astrocytic TCF7L2 Impacts Brain Osmoregulation and Restricts Neuronal Excitability. Glia, 74(2), e70103.

Gallardo Montejano VI, et al. (2026) Acute deletion of PLIN5 in brown adipocytes causes mitochondrial dysfunction and cold intolerance. bioRxiv : the preprint server for biology.

Mesquita M, et al. (2026) Ferroptosis is a Physiologic Vulnerability of Iron-Recycling Macrophages. bioRxiv : the preprint server for biology.

Lamorte S, et al. (2025) Lymph node macrophages drive immune tolerance and resistance to cancer therapy by induction of the immune-regulatory cytokine IL-33. Cancer cell, 43(5), 955.

Bosworth AP, et al. (2025) Astrocyte glypican 5 regulates synapse maturation and stabilization. Cell reports, 44(3), 115374.

Thakur P, et al. (2025) An antisense oligonucleotide-based strategy to ameliorate cognitive dysfunction in the 22q11.2 Deletion Syndrome. eLife, 13.

Fregoso SP, et al. (2025) Loss of miR-9-2 Causes Cerebral Hemorrhage and Hydrocephalus by Widespread Disruption of Cell-Type-Specific Neurodevelopmental Gene Networks. bioRxiv : the preprint server for biology.

Hull VL, et al. (2024) Astroglial conditional Slc13a3 knockout is therapeutic in murine Canavan leukodystrophy. Annals of clinical and translational neurology, 11(4), 1059.

Rahbani JF, et al. (2024) Parallel control of cold-triggered adipocyte thermogenesis by UCP1 and CKB. Cell metabolism, 36(3), 526.

Chen X, et al. (2023) The lactate dehydrogenase (LDH) isoenzyme spectrum enables optimally controlling T cell glycolysis and differentiation. Science advances, 9(12), eadd9554.

Zhang V, et al. (2023) A mouse model characterizes the roles of ZIP8 in systemic iron recycling and lung inflammation and infection. Blood advances, 7(7), 1336.

Wu Q, et al. (2023) Renal control of life-threatening malarial anemia. Cell reports, 42(2), 112057.

Sprenkle NT, et al. (2023) The miR-23-27-24 clusters drive lipid-associated macrophage proliferation in obese adipose tissue. Cell reports, 42(8), 112928.

Ma Z, et al. (2022) Deficiency of autism-related Scn2a gene in mice disrupts sleep patterns and circadian rhythms. Neurobiology of disease, 168, 105690.

Kang S, et al. (2022) GAB functions as a bioenergetic and signalling gatekeeper to control T cell inflammation. Nature metabolism, 4(10), 1322.

Günes Günsel G, et al. (2022) The arginine methyltransferase PRMT7 promotes extravasation of monocytes resulting in tissue injury in COPD. Nature communications, 13(1), 1303.

Tawaratsumida K, et al. (2022) A phospho-tyrosine-based signaling module using SPOP, CSK, and LYN controls TLR-induced IRF activity. Science advances, 8(27), eabq0084.

Gao S, et al. (2022) UBR2 targets myosin heavy chain IIb and IIx for degradation: Molecular mechanism essential for cancer-induced muscle wasting. Proceedings of the National Academy of Sciences of the United States of America, 119(43), e2200215119.

Wellard SR, et al. (2022) PLK1 depletion alters homologous recombination and synaptonemal complex disassembly events during mammalian spermatogenesis. Molecular biology of the cell, 33(5), ar37.

Vogel A, et al. (2022) JAK1 signaling in dendritic cells promotes peripheral tolerance in autoimmunity through PD-L1-mediated regulatory T cell induction. Cell reports, 38(8), 110420.