Resource Summary Report

Generated by NIF on Sep 6, 2026

129S4/SvJaeSor-Gt(ROSA)26Sor$^{tm1(FLP1)Dym}$/J

RRID:IMSR_JAX:003946
Type: Organism

Proper Citation

RRID:IMSR_JAX:003946

Organism Information

URL: https://www.jax.org/strain/003946

Proper Citation: RRID:IMSR_JAX:003946

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

Species: Mus musculus

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

Affected Gene: |gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 1; Susan Dymecki

Catalog Number: JAX:003946

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

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

Record Creation Time: 20250513T053642+0000

Record Last Update: 20260905T044423+0000

Ratings and Alerts

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

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

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Kohno D, et al. (2025) FTO promotes weight gain via altering Kif1a splicing and axonal vesicle trafficking in AgRP neurons. The EMBO journal, 44(18), 4919.

Isaac R, et al. (2024) TM7SF3 controls TEAD1 splicing to prevent MASH-induced liver fibrosis. Cell metabolism, 36(5), 1030.

Lin X, et al. (2024) Inactive Parp2 causes Tp53-dependent lethal anemia by blocking replication-associated nick ligation in erythroblasts. Molecular cell, 84(20), 3916.

Hu Y, et al. (2023) Tfap2b acts in GABAergic neurons to control sleep in mice. Scientific reports, 13(1), 8026.

Chandra R, et al. (2023) Gut mucosal cells transfer ?-synuclein to the vagus nerve. JCI insight, 8(23).

Chandra R, et al. (2023) Gut mucosal cells transfer ?-synuclein to the vagus nerve. bioRxiv : the preprint server for biology.

Mihajlovi? AI, et al. (2023) Spindle assembly checkpoint insensitivity allows meiosis-II despite chromosomal defects in aged eggs. EMBO reports, 24(11), e57227.

Zhao Y, et al. (2022) ATAD3A oligomerization promotes neuropathology and cognitive deficits in Alzheimer's disease models. Nature communications, 13(1), 1121.

Meschkat M, et al. (2022) White matter integrity in mice requires continuous myelin synthesis at the inner tongue. Nature communications, 13(1), 1163.

Baytas O, et al. (2022) Mitochondrial enzyme GPT2 regulates metabolic mechanisms required for neuron growth and motor function in vivo. Human molecular genetics, 31(4), 587.

Shen L, et al. (2022) SLC38A2 provides proline and alanine to regulate postnatal bone mass accrual in mice. Frontiers in physiology, 13, 992679.

Mishra I, et al. (2022) Protein tyrosine phosphatase receptor ? serves as the orexigenic asprosin receptor. Cell metabolism, 34(4), 549.

Shen L, et al. (2022) SLC38A2 provides proline to fulfill unique synthetic demands arising during osteoblast differentiation and bone formation. eLife, 11.

Croze ML, et al. (2021) Free fatty acid receptor 4 inhibitory signaling in delta cells regulates islet hormone secretion in mice. Molecular metabolism, 45, 101166.

Culp DJ, et al. (2021) Murine Salivary Amylase Protects Against Streptococcus mutans-Induced Caries. Frontiers in physiology, 12, 699104.

Nakagawa T, et al. (2021) A multistate stem cell dynamics maintains homeostasis in mouse spermatogenesis. Cell reports, 37(3), 109875.

Sharma D, et al. (2021) SLC1A5 provides glutamine and asparagine necessary for bone development in mice. eLife, 10.

Staehle HF, et al. (2020) Jmjd1c is dispensable for healthy adult hematopoiesis and Jak2V617F-driven myeloproliferative disease initiation in mice. PloS one, 15(2), e0228362.

Venturutti L, et al. (2020) TBL1XR1 Mutations Drive Extranodal Lymphoma by Inducing a Pro-tumorigenic Memory Fate. Cell, 182(2), 297.

Chen Y, et al. (2020) Wdr47 Controls Neuronal Polarization through the Camsap Family Microtubule Minus-End-Binding Proteins. Cell reports, 31(3), 107526.