

Resource Summary Report

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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: 20250517T092514+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 45 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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

Hu Y, et al. (2023) Tfp2b acts in GABAergic neurons to control sleep in mice. *Scientific reports*, 13(1), 8026.

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

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

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

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.

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

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

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

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.

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

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

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.

Wong R, et al. (2020) Affinity-Restricted Memory B Cells Dominate Recall Responses to Heterologous Flaviviruses. *Immunity*, 53(5), 1078.

Lyu S, et al. (2020) The role of BTBD9 in the cerebral cortex and the pathogenesis of restless legs syndrome. *Experimental neurology*, 323, 113111.