

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

B6.129S4-Gt(ROSA)26Sor^{tm1Sor/J}

RRID:IMSR_JAX:003474

Type: Organism

Proper Citation

RRID:IMSR_JAX:003474

Organism Information

URL: <https://www.jax.org/strain/003474>

Proper Citation: RRID:IMSR_JAX:003474

Description: Mus musculus with name B6.129S4-Gt(ROSA)26Sor^{tm1Sor/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: beta-galactosidase|gene trap ROSA 26; Philippe Soriano; mutant strain|congenic strain: lacZ|Gt(ROSA)26Sor

Affected Gene: beta-galactosidase|gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 1; Philippe Soriano

Catalog Number: JAX:003474

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S4-Gt(ROSA)26Sor^{tm1Sor/J}

Record Creation Time: 20250513T053639+0000

Record Last Update: 20260829T044930+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Gt(ROSA)26Sor^{tm1Sor/J}.

No alerts have been found for B6.129S4-Gt(ROSA)26Sor^{tm1Sor/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 66 mentions in open access literature.

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

Bapat RA, et al. (2026) A novel Ambn-IRES^{Cre} mouse line allows ameloblast-specific Smad4 silencing. *Frontiers in physiology*, 17, 1792453.

Grandl G, et al. (2026) FGF21 reduces ER stress by enhancing the unfolded protein and integrated stress responses through increased sulfide signaling. *Cell metabolism*, 38(7), 1354.

Hurtado A, et al. (2025) Sox9 prevents retinal degeneration and is required for limbal stem cell differentiation in the adult mouse eye. *eLife*, 13.

Lozovska A, et al. (2025) Tgfbr1 regulates lateral plate mesoderm and endoderm reorganization during the trunk to tail transition. *eLife*, 13.

Dhenni R, et al. (2025) Macrophages direct location-dependent recall of B cell memory to vaccination. *Cell*, 188(13), 3477.

Chapman PD, et al. (2025) A brain-wide map of descending inputs onto spinal V1 interneurons. *Neuron*, 113(4), 524.

Smith ER, et al. (2024) AMH regulates a mosaic population of AMHR2-positive cells in the ovarian surface epithelium. *The Journal of biological chemistry*, 300(11), 107897.

Lee JG, et al. (2024) PIBF1 regulates trophoblast syncytialization and promotes cardiovascular development. *Nature communications*, 15(1), 1487.

Zutshi N, et al. (2024) Cbl and Cbl-b ubiquitin ligases are essential for intestinal epithelial stem cell maintenance. *iScience*, 27(6), 109912.

Ding W, et al. (2024) Nausea-induced suppression of feeding is mediated by central amygdala Dlk1-expressing neurons. *Cell reports*, 43(4), 113990.

Bertol JW, et al. (2022) TWIST1 interacts with β -catenins during neural tube development and regulates fate transition in cranial neural crest cells. *Development (Cambridge, England)*, 149(15).

Sauter M, et al. (2022) Apolipoprotein E derived from CD11c⁺ cells ameliorates atherosclerosis. *iScience*, 25(1), 103677.

Sauter M, et al. (2022) Protocol to visualize CD11c+ cells in atherosclerosis using LacZ reporter mice. STAR protocols, 3(3), 101645.

Aguilar-Pineda JA, et al. (2021) Vascular smooth muscle cell dysfunction contribute to neuroinflammation and Tau hyperphosphorylation in Alzheimer disease. iScience, 24(9), 102993.

Leibowitz BJ, et al. (2021) Interferon b drives intestinal regeneration after radiation. Science advances, 7(41), eabi5253.

Mana MD, et al. (2021) High-fat diet-activated fatty acid oxidation mediates intestinal stemness and tumorigenicity. Cell reports, 35(10), 109212.

Beyaz S, et al. (2021) Dietary suppression of MHC class II expression in intestinal epithelial cells enhances intestinal tumorigenesis. Cell stem cell, 28(11), 1922.

Jiang M, et al. (2021) VEGF receptor 2 (KDR) protects airways from mucus metaplasia through a Sox9-dependent pathway. Developmental cell, 56(11), 1646.

Yang F, et al. (2020) Inositol 1,4,5-trisphosphate receptors are essential for fetal-maternal connection and embryo viability. PLoS genetics, 16(4), e1008739.

Ma R, et al. (2020) Metabolic and non-metabolic liver zonation is established non-synchronously and requires sinusoidal Wnts. eLife, 9.