

# Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

## B6.129S4-Gt(ROSA)26Sor<sup>tm1Sor/J</sup>

RRID:IMSR\_JAX:003474

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:003474

### Organism Information

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

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**Description:** Mus musculus with name B6.129S4-Gt(ROSA)26Sor<sup>tm1Sor/J</sup> 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<sup>tm1Sor/J</sup>

**Record Creation Time:** 20250513T053639+0000

**Record Last Update:** 20260808T050841+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129S4-Gt(ROSA)26Sor<sup>tm1Sor/J</sup>.

No alerts have been found for B6.129S4-Gt(ROSA)26Sor<sup>tm1Sor/J</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## 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<sup>Cre</sup> 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.

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

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

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  $\beta$ -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<sup>+</sup> 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.