

Resource Summary Report

Generated by [NIF](#) on Aug 3, 2026

B6.129X1-Gt(ROSA)26Sor^{tm1(EYFP)Cos/J}

RRID:IMSR_JAX:006148

Type: Organism

Proper Citation

RRID:IMSR_JAX:006148

Organism Information

URL: <https://www.jax.org/strain/006148>

Proper Citation: RRID:IMSR_JAX:006148

Description: Mus musculus with name B6.129X1-Gt(ROSA)26Sor^{tm1(EYFP)Cos/J} from IMSR.

Species: Mus musculus

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

Affected Gene: |gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 1; Frank Costantini

Catalog Number: JAX:006148

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129X1-Gt(ROSA)26Sor^{tm1(EYFP)Cos/J}

Record Creation Time: 20250513T053655+0000

Record Last Update: 20260801T050359+0000

Ratings and Alerts

- Used for genotyping by the Human Islet Research Network community. Contact(s): [Douglas Melton](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for B6.129X1-Gt(ROSA)26Sor^{tm1(EYFP)Cos/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 317 mentions in open access literature.

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

Feetham CH, et al. (2026) Analog of prolactin-releasing peptide reduces body weight primarily through sustained fatty acid oxidation rather than hypophagia. *Cell metabolism*, 38(1), 100.

Cook SG, et al. (2026) Psilocybin induces sex- and context-specific recruitment of the stress axis. *Current biology : CB*, 36(1), 122.

Bastos J, et al. (2025) Monocytes can efficiently replace all brain macrophages and fetal liver monocytes can generate bona fide SALL1+ microglia. *Immunity*, 58(5), 1269.

Cho WH, et al. (2025) PRC2 Restricts Malignant Peripheral Nerve Sheath Tumorigenesis in a Genetically Engineered Mouse Model of MPNST. *bioRxiv : the preprint server for biology*.

Petry P, et al. (2025) Early microglia progenitors colonize the embryonic CNS via integrin-mediated migration from the pial surface. *Developmental cell*.

Kaplan MM, et al. (2025) Mesenchymal Meis2 controls whisker development independently from trigeminal sensory innervation. *eLife*, 13.

Sahu P, et al. (2025) Mechanical control of cell fate decisions in the skin epidermis. *Nature communications*, 16(1), 8440.

Novak JSS, et al. (2025) The integrated stress response fine-tunes stem cell fate decisions upon serine deprivation and tissue injury. *Cell metabolism*, 37(8), 1715.

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

Lehtonen H, et al. (2025) Early precursor-derived pituitary gland tissue-resident macrophages play a pivotal role in modulating hormonal balance. *Cell reports*, 44(2), 115227.

Yamasaki A, et al. (2025) Cyclin-dependent kinase inhibitor 1A mediates mouse line- and fate-dependent cellular responses in Cx3cr1-Cre genetic tools. *Cell reports*, 44(9), 116267.

Kolter J, et al. (2025) Sensory neurons shape local macrophage identity via TGF- β signaling. *Immunity*.

Singh O, et al. (2025) Temporal control of eating and body weight by GHSR-expressing suprachiasmatic nucleus neurons. *Cell reports*, 44(9), 116213.

Allman A, et al. (2025) Splenic fibroblasts control marginal zone B cell movement and function via two distinct Notch2-dependent regulatory programs. *Immunity*, 58(1), 143.

Cano JC, et al. (2025) Newly generated striatal neurons rescue motor circuitry in a Huntington's disease mouse model. *Cell reports*, 44(4), 115440.

Ko SY, et al. (2025) Systems consolidation reorganizes hippocampal engram circuitry. *Nature*, 643(8072), 735.

Willis A, et al. (2025) Single cell approaches define neural stem cell niches and identify microglial ligands that can enhance precursor-mediated oligodendrogenesis. *Cell reports*, 44(1), 115194.

Park R, et al. (2025) CD138 and APRIL regulate plasma cell survival, competition, and retention in the bone marrow niche. *Cell reports*, 44(8), 116123.

Nakamura Y, et al. (2025) Adult leptomeningeal vestigial neural crest-derived multipotent cells promote vascular repair after stroke. *Cell reports*, 45(1), 116747.

Vicario R, et al. (2025) Role of clonal inflammatory microglia in histiocytosis-associated neurodegeneration. *Neuron*, 113(7), 1065.