

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

B6.Cg-Gt(ROSA)26Sor^{tm1(rtTA*M2)}Jae/J

RRID:IMSR_JAX:006965

Type: Organism

Proper Citation

RRID:IMSR_JAX:006965

Organism Information

URL: <https://www.jax.org/strain/006965>

Proper Citation: RRID:IMSR_JAX:006965

Description: Mus musculus with name B6.Cg-Gt(ROSA)26Sor^{tm1(rtTA*M2)}Jae/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: gene trap ROSA 26; Philippe Soriano|reverse tetracycline-controlled transactivator; congenic strain: Gt(ROSA)26Sor|rtTA

Affected Gene: gene trap ROSA 26; Philippe Soriano|reverse tetracycline-controlled transactivator

Genomic Alteration: targeted mutation 1; Rudolf Jaenisch

Catalog Number: JAX:006965

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Gt(ROSA)26Sor^{tm1(rtTA*M2)}Jae/J

Record Creation Time: 20250513T053700+0000

Record Last Update: 20260912T060446+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Gt(ROSA)26Sor^{tm1(rtTA*M2)}Jae/J.

No alerts have been found for B6.Cg-Gt(ROSA)26Sor^{tm1(rtTA*M2)}Jae/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Li XJ, et al. (2025) The RNA-binding protein TRIM71 is essential for hearing in humans and mice and times auditory sensory organ development. *Proceedings of the National Academy of Sciences of the United States of America*, 122(36), e2505811122.

Yagi M, et al. (2025) Bivalent chromatin instructs lineage specification during hematopoiesis. *Cell*, 188(16), 4314.

Xia J, et al. (2024) Interleukin-1 γ modulates lymphoid differentiation of Flt3-positive multipotent progenitors after transplantation. *Cell reports*, 43(11), 114890.

Wang HC, et al. (2024) Kmt2c restricts G-CSF-driven HSC mobilization and granulocyte production in a methyltransferase-independent manner. *Cell reports*, 43(8), 114542.

López DA, et al. (2024) Prenatal inflammation remodels lung immunity and function by programming ILC2 hyperactivation. *Cell reports*, 43(7), 114365.

Klagkou E, et al. (2024) An Unbiased Approach to Identifying Cellular Reprogramming-Inducible Enhancers. *International journal of molecular sciences*, 25(23).

Dinakaran S, et al. (2023) CDK6-mediated endothelial cell cycle acceleration drives arteriovenous malformations in hereditary hemorrhagic telangiectasia. *bioRxiv : the preprint server for biology*.

Voisin B, et al. (2023) Macrophage-mediated extracellular matrix remodeling controls host *Staphylococcus aureus* susceptibility in the skin. *Immunity*, 56(7), 1561.

Gao Y, et al. (2023) ALKBH5 modulates hematopoietic stem and progenitor cell energy metabolism through m6A modification-mediated RNA stability control. *Cell reports*, 42(10), 113163.

Durfee C, et al. (2023) Human APOBEC3B promotes tumor development in vivo including signature mutations and metastases. *Cell reports. Medicine*, 4(10), 101211.

Kristiansen TA, et al. (2022) Developmental cues license megakaryocyte priming in murine hematopoietic stem cells. *Blood advances*, 6(24), 6228.

Hersbach BA, et al. (2022) Probing cell identity hierarchies by fate titration and collision during direct reprogramming. *Molecular systems biology*, 18(9), e11129.

López DA, et al. (2022) Prenatal inflammation perturbs murine fetal hematopoietic development and causes persistent changes to postnatal immunity. *Cell reports*, 41(8), 111677.

Zhu Y, et al. (2021) Adipose tissue hyaluronan production improves systemic glucose homeostasis and primes adipocytes for CL 316,243-stimulated lipolysis. *Nature communications*, 12(1), 4829.

Park J, et al. (2021) Progenitor-like characteristics in a subgroup of UCP1+ cells within white adipose tissue. *Developmental cell*, 56(7), 985.

Kim S, et al. (2020) Pellino1 promotes chronic inflammatory skin disease via keratinocyte hyperproliferation and induction of the T helper 17 response. *Experimental & molecular medicine*, 52(9), 1537.

Lozano-Gerona J, et al. (2020) Conditional KCa3.1-transgene induction in murine skin produces pruritic eczematous dermatitis with severe epidermal hyperplasia and hyperkeratosis. *PloS one*, 15(3), e0222619.

Li Y, et al. (2020) Single-Cell Analysis of Neonatal HSC Ontogeny Reveals Gradual and Uncoordinated Transcriptional Reprogramming that Begins before Birth. *Cell stem cell*, 27(5), 732.

Eastman AE, et al. (2020) Resolving Cell Cycle Speed in One Snapshot with a Live-Cell Fluorescent Reporter. *Cell reports*, 31(12), 107804.

Prajapati-DiNubila M, et al. (2019) A counter gradient of Activin A and follistatin instructs the timing of hair cell differentiation in the murine cochlea. *eLife*, 8.