

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

B6.Cg-Gt(ROSA)26Sor^{tm1(rtTA.EGFP)}Nagy/J

RRID:IMSR_JAX:005670

Type: Organism

Proper Citation

RRID:IMSR_JAX:005670

Organism Information

URL: <https://www.jax.org/strain/005670>

Proper Citation: RRID:IMSR_JAX:005670

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

Species: Mus musculus

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

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

Genomic Alteration: targeted mutation 1; Andras Nagy

Catalog Number: JAX:005670

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

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

Record Creation Time: 20250513T053651+0000

Record Last Update: 20260815T050600+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Krantz S, et al. (2026) Dissection of G?s and Hedgehog Signaling Cross-talk Reveals Therapeutic Opportunities to Target Hedgehog-Dependent Tumors. *Cancer research*, 86(4), 940.

Wang J, et al. (2026) BRAF Inhibition-Associated Nuclear Remodeling is Linked to Cancer-Associated Fibroblast Activation. *Cancer research communications*, 6(7), 1693.

Dobersch S, et al. (2025) HMGA2 and protein leucine methylation drive pancreatic cancer lineage plasticity. *Nature communications*, 16(1), 4866.

Picó S, et al. (2025) Comparative analysis of mouse strains for in vivo induction of reprogramming factors. *Cell reports*, 44(7), 115879.

Hong M, et al. (2024) Residue Y362 is crucial for FLIPL to impart catalytic activity to pro-caspase-8 to suppress necroptosis. *Cell reports*, 43(11), 114966.

LaBella KA, et al. (2024) Telomere dysfunction alters intestinal stem cell dynamics to promote cancer. *Developmental cell*, 59(11), 1475.

Campbell GP, et al. (2022) Ectopic expression of T in the paraxial mesoderm disrupts somite maturation in the mouse. *Developmental biology*, 485, 37.

Verhaegen ME, et al. (2022) Direct cellular reprogramming enables development of viral T antigen-driven Merkel cell carcinoma in mice. *The Journal of clinical investigation*, 132(7).

Biagioni F, et al. (2022) Decoding YAP dependent transcription in the liver. *Nucleic acids research*, 50(14), 7959.

Wu J, et al. (2021) APOL1 risk variants in individuals of African genetic ancestry drive endothelial cell defects that exacerbate sepsis. *Immunity*, 54(11), 2632.

Ognjenovic NB, et al. (2020) Limiting Self-Renewal of the Basal Compartment by PKA Activation Induces Differentiation and Alters the Evolution of Mammary Tumors.

Developmental cell, 55(5), 544.

Shwartz Y, et al. (2020) Cell Types Promoting Goosebumps Form a Niche to Regulate Hair Follicle Stem Cells. *Cell*, 182(3), 578.

Yang LM, et al. (2019) Sox2 and FGF20 interact to regulate organ of Corti hair cell and supporting cell development in a spatially-graded manner. *PLoS genetics*, 15(7), e1008254.

Roy A, et al. (2019) PI3K-Yap activity drives cortical gyrification and hydrocephalus in mice. *eLife*, 8.

Yang LM, et al. (2018) FGF20-Expressing, Wnt-Responsive Olfactory Epithelial Progenitors Regulate Underlying Turbinate Growth to Optimize Surface Area. *Developmental cell*, 46(5), 564.

Volckaert T, et al. (2017) Fgf10-Hippo Epithelial-Mesenchymal Crosstalk Maintains and Recruits Lung Basal Stem Cells. *Developmental cell*, 43(1), 48.