

Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

C57BL/6JGpt-Rosa26^{sup}tm1(CAG-LSL-tdTomato)/Gpt

RRID:IMSR_GPT:T002249

Type: Organism

Proper Citation

RRID:IMSR_GPT:T002249

Organism Information

URL: https://en.gempharmatech.com/product/details100035_3907906.html

Proper Citation: RRID:IMSR_GPT:T002249

Description: Mus musculus with name C57BL/6JGpt-Rosa26^{sup}tm1(CAG-LSL-tdTomato)/Gpt from IMSR.

Species: Mus musculus

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

Affected Gene: gene trap ROSA 26; Philippe Soriano

Catalog Number: GPT:T002249

Database: GemPharmatech

Database Abbreviation: GPT

Availability: embryo

Organism Name: C57BL/6JGpt-Rosa26^{sup}tm1(CAG-LSL-tdTomato)/Gpt

Record Creation Time: 20250513T053927+0000

Record Last Update: 20260808T051116+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6JGpt-Rosa26^{Sup}tm1(CAG-LSL-tdTomato)/Gpt.

No alerts have been found for C57BL/6JGpt-Rosa26^{Sup}tm1(CAG-LSL-tdTomato)/Gpt.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: GemPharmatech

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Wang J, et al. (2026) Adipocyte-derived extracellular vesicles are key regulators of central leptin sensitivity and energy homeostasis. *Cell metabolism*, 38(1), 82.

Wang Q, et al. (2026) Peripheral somatostatin-expressing neurons are analgesic targets for refractory occipital neuralgia. *Acta pharmacologica Sinica*.

Zhang YP, et al. (2025) PAI-1-driven SFRP2^{high} cancer-associated fibroblasts hijack the abscopal effect of radioimmunotherapy. *Cancer cell*, 43(5), 856.

Yang L, et al. (2025) Hepatocyte metabolic adaptations during pregnancy and lactation. *Cell*.

Li L, et al. (2025) Selective loss of Scn2a in ventral tegmental area dopaminergic neurons leads to dopamine system hypofunction and autistic-like behaviors. *Neuron*.

Li X, et al. (2025) Pericytes promote metastasis by regulating tumor local vascular tone and hemodynamics. *Nature communications*, 16(1), 7115.

Stransky LA, et al. (2024) Toward a CRISPR-based mouse model of Vhl-deficient clear cell kidney cancer: Initial experience and lessons learned. *Proceedings of the National Academy of Sciences of the United States of America*, 121(41), e2408549121.

Leibold J, et al. (2024) Somatic mouse models of gastric cancer reveal genotype-specific features of metastatic disease. *Nature cancer*, 5(2), 315.

Tan B, et al. (2023) Drugs of abuse hijack a mesolimbic pathway that processes homeostatic need. *bioRxiv : the preprint server for biology*.

Santinha AJ, et al. (2023) Transcriptional linkage analysis with in vivo AAV-Perturb-seq. *Nature*, 622(7982), 367.

Li Y, et al. (2023) Aurora A kinase inhibition induces accumulation of SCLC tumor cells in mitosis with restored interferon signaling to increase response to PD-L1. *Cell reports*.

Medicine, 4(11), 101282.

LaFleur MW, et al. (2019) A CRISPR-Cas9 delivery system for in vivo screening of genes in the immune system. *Nature communications*, 10(1), 1668.

LaFleur MW, et al. (2019) PTPN2 regulates the generation of exhausted CD8+ T cell subpopulations and restrains tumor immunity. *Nature immunology*, 20(10), 1335.

Oser MG, et al. (2019) The KDM5A/RBP2 histone demethylase represses NOTCH signaling to sustain neuroendocrine differentiation and promote small cell lung cancer tumorigenesis. *Genes & development*, 33(23-24), 1718.