

Resource Summary Report

Generated by [Kravitz](#) on Sep 18, 2026

B6;129S-Gt(ROSA)26Sor^{tm38(CAG-GCaMP3)Hze/J}

RRID:IMSR_JAX:014538

Type: Organism

Proper Citation

RRID:IMSR_JAX:014538

Organism Information

URL: <https://www.jax.org/strain/014538>

Proper Citation: RRID:IMSR_JAX:014538

Description: Mus musculus with name B6;129S-Gt(ROSA)26Sor^{tm38(CAG-GCaMP3)Hze/J} from IMSR.

Species: Mus musculus

Synonyms: B6;129S-Gt(ROSA)26Sor/J

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

Affected Gene: |gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 38; Hongkui Zeng

Catalog Number: JAX:014538

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S-Gt(ROSA)26Sor^{tm38(CAG-GCaMP3)Hze/J}

Record Creation Time: 20250513T053727+0000

Record Last Update: 20260912T060513+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Gt(ROSA)26Sor^{tm38}(CAG-GCaMP3)Hze/J.

No alerts have been found for B6;129S-Gt(ROSA)26Sor^{tm38}(CAG-GCaMP3)Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

Choi SJ, et al. (2026) ?-Synuclein expression is required for somatodendritic dopamine release and immediate early gene induction. Science advances, 12(5), eady6978.

Soma S, et al. (2025) Channel synapse mediates neurotransmission of airway protective chemoreflexes. Cell, 188(10), 2687.

Visa M, et al. (2024) Sex-dependent intra-islet structural rearrangements affecting alpha-to-beta cell interactions lead to adaptive enhancements of Ca²⁺ dynamics in prediabetic beta cells. Diabetologia, 67(8), 1663.

Liu L, et al. (2024) 14-3-3 binding motif phosphorylation disrupts Hdac4-organized condensates to stimulate cardiac reprogramming. Cell reports, 43(4), 114054.

Fujimoto S, et al. (2023) Activity-dependent local protection and lateral inhibition control synaptic competition in developing mitral cells in mice. Developmental cell, 58(14), 1221.

Grainger N, et al. (2022) Propagation of Pacemaker Activity and Peristaltic Contractions in the Mouse Renal Pelvis Rely on Ca²⁺-activated Cl⁻ Channels and T-Type Ca²⁺ Channels. Function (Oxford, England), 3(6), zqac041.

Chae H, et al. (2022) Long-range functional loops in the mouse olfactory system and their roles in computing odor identity. Neuron, 110(23), 3970.

Poon SSB, et al. (2022) Neonatal antibiotics have long term sex-dependent effects on the enteric nervous system. The Journal of physiology, 600(19), 4303.

Ivashkina OI, et al. (2021) Imaging of C-fos Activity in Neurons of the Mouse Parietal Association Cortex during Acquisition and Retrieval of Associative Fear Memory. International journal of molecular sciences, 22(15).

Kosmidis S, et al. (2021) A fast, aqueous, reversible three-day tissue clearing method for adult and embryonic mouse brain and whole body. Cell reports methods, 1(7), 100090.

Guagliardo NA, et al. (2020) Angiotensin II induces coordinated calcium bursts in aldosterone-producing adrenal rosettes. *Nature communications*, 11(1), 1679.

Schröder S, et al. (2020) Arousal Modulates Retinal Output. *Neuron*, 107(3), 487.

Mahú I, et al. (2020) Brain-Sparing Sympathofacilitators Mitigate Obesity without Adverse Cardiovascular Effects. *Cell metabolism*, 31(6), 1120.

Corkrum M, et al. (2020) Dopamine-Evoked Synaptic Regulation in the Nucleus Accumbens Requires Astrocyte Activity. *Neuron*, 105(6), 1036.

Prescott SL, et al. (2020) An Airway Protection Program Revealed by Sweeping Genetic Control of Vagal Afferents. *Cell*, 181(3), 574.

Sato T, et al. (2020) Direct Comparison of Odor Responses of Homologous Glomeruli in the Medial and Lateral Maps of the Mouse Olfactory Bulb. *eNeuro*, 7(2).

Ast J, et al. (2020) Super-resolution microscopy compatible fluorescent probes reveal endogenous glucagon-like peptide-1 receptor distribution and dynamics. *Nature communications*, 11(1), 467.

Nomura K, et al. (2020) All-Electrical Ca²⁺-Independent Signal Transduction Mediates Attractive Sodium Taste in Taste Buds. *Neuron*, 106(5), 816.

van Krieken PP, et al. (2019) Translational assessment of a genetic engineering methodology to improve islet function for transplantation. *EBioMedicine*, 45, 529.

Arrojo E Drigo R, et al. (2019) Structural basis for delta cell paracrine regulation in pancreatic islets. *Nature communications*, 10(1), 3700.