

Resource Summary Report

Generated by [kravitz2](#) on Aug 23, 2026

B6.Cg-Gt(ROSA)26Sor^{tm32}(CAG-COP4*H134R/EYFP)Hze/J

RRID:IMSR_JAX:024109

Type: Organism

Proper Citation

RRID:IMSR_JAX:024109

Organism Information

URL: <https://www.jax.org/strain/024109>

Proper Citation: RRID:IMSR_JAX:024109

Description: Mus musculus with name B6.Cg-Gt(ROSA)26Sor^{tm32}(CAG-COP4*H134R/EYFP)Hze/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Channelrhodopsin|gene trap ROSA 26; Philippe Soriano; mutant strain|congenic strain: COP4|Gt(ROSA)26Sor

Affected Gene: Channelrhodopsin|gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 32; Hongkui Zeng

Catalog Number: JAX:024109

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Gt(ROSA)26Sor^{tm32}(CAG-COP4*H134R/EYFP)Hze/J

Record Creation Time: 20250513T053750+0000

Record Last Update: 20260815T050701+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Gt(ROSA)26Sor^{tm32}(CAG-COP4*H134R/EYFP)Hze/J.

No alerts have been found for B6.Cg-Gt(ROSA)26Sor^{tm32}(CAG-COP4*H134R/EYFP)Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 190 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

An X, et al. (2026) A cortical circuit for orchestrating oromaneal food manipulation. *Neuron*, 114(12), 2254.

Bennett C, et al. (2026) Map of spiking activity underlying change detection in the mouse visual system. *Cell*, 189(15), 4775.

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

Guillaumin A, et al. (2026) Dorsal Raphe VIP Neurons Are Critical for Survival-Oriented Vigilance. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(18), e23809.

Holla MR, et al. (2026) Effects of Short-Term Synaptic Plasticity in Feedforward Inhibitory Circuits on Cerebellar Responses to Repetitive Sensory Input. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(3).

Gutman-Wei AY, et al. (2026) Cell-type-selective synaptogenesis during the development of layer 6 corticothalamic neuron connectivity in the mammalian neocortex. *Cell reports*, 45(1), 116792.

Gao H, et al. (2026) The sympathoregulatory region of the mouse rostral brainstem relies on both GABA and glycine to generate inhibitory currents. *The Journal of physiology*, 604(7), 2939.

Li Y, et al. (2026) Corticothalamic communication for action coordination in a skilled motor behavior. *Nature neuroscience*, 29(3), 660.

Peng J, et al. (2026) Targeting G i/o -coupled GPCRs to inhibit nociceptors: insights from the serotonin receptor Htr1b and triptans. *bioRxiv : the preprint server for biology*.

Peelman K, et al. (2026) A standardized and reproducible behavioral framework to elicit multiple aspects of visual spatial attention in mice. *Cell reports methods*, 101514.

Xie X, et al. (2026) Dual-engram architecture within a single striatal cell type distinctly controls alcohol relapse and extinction. *Neuron*, 114(12), 2148.

Kim CY, et al. (2026) Protocol to design and implement scalable wireless network system for high-throughput, automated behavioral and circuit neuroscience in mice. *STAR protocols*, 7(2), 104453.

Suryanarayana SM, et al. (2026) Distinct neurogenic pathways shape the diversification and mosaic organization of cortical output channels. *Neuron*, 114(13), 2404.

Bhatla N, et al. (2026) Acute requirement for the hippocampus in putatively conscious vision revealed by a mouse model of blindsight. *Current biology : CB*, 36(8), 2043.

de Las Casas M, et al. (2026) Validation of TRPA1 and TRPV1 Antibodies for Expression Detection in Mammalian Cells and Tissues. *Journal of neurochemistry*, 170(4), e70444.

Song Z, et al. (2026) Cariprazine modulates affective and social behaviors through ventral striatal islands of Calleja neurons. *Current zoology*, 72(2), 198.

Tripathi GM, et al. (2025) Synaptic-like coupling of macrophages to myofibers regulates muscle repair. *Current biology : CB*, 35(24), 6010.

Singhal SM, et al. (2025) Mu-opioid receptor activation potentiates excitatory transmission at the habenulo-peduncular synapse. *Cell reports*, 44(7), 115874.

Talbi R, et al. (2025) Melanocortin-responsive Kiss1 neurons of the arcuate nucleus drive energy expenditure through glutamatergic signaling to the dorsomedial hypothalamus. *bioRxiv : the preprint server for biology*.

Kim SJ, et al. (2025) A consensus definition for deep layer 6 excitatory neurons in mouse somatosensory, visual, and motor cortex. *Cell reports*, 44(9), 116167.