Resource Summary Report

Generated by RRID on Jul 31, 2026

B6.Cg-Gt(ROSA)26Sor$^{tm3.2(CAG-EGFP.-CHRM3*/mCherry/Htr2a)Pjen}$/J

RRID:IMSR_JAX:026942
Type: Organism

Proper Citation

RRID:IMSR_JAX:026942

Organism Information

URL: https://www.jax.org/strain/026942

Proper Citation: RRID:IMSR_JAX:026942

Description: Mus musculus with name B6.Cg-Gt(ROSA)26Sor$^{tm3.2(CAG-EGFP.-CHRM3*/mCherry/Htr2a)Pjen}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |gene trap ROSA 26; Philippe Soriano|5-hydroxytryptamine (serotonin) receptor 2A; mutant strain|congenic strain: |Gt(ROSA)26Sor|Htr2a

Affected Gene: |gene trap ROSA 26; Philippe Soriano|5-hydroxytryptamine (serotonin) receptor 2A

Genomic Alteration: targeted mutation 3.2; Patricia Jensen

Catalog Number: JAX:026942

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Gt(ROSA)26Sor$^{tm3.2(CAG-EGFP.-CHRM3*/mCherry/Htr2a)Pjen}$/J

Record Creation Time: 20250513T053758+0000

Record Last Update: 20260725T044504+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Gt(ROSA)26Sor$^{tm3.2(CAG-EGFP.-CHRM3*/mCherry/Htr2a)Pjen}$/J.

No alerts have been found for B6.Cg-Gt(ROSA)26Sor$^{tm3.2(CAG-EGFP.-CHRM3*/mCherry/Htr2a)Pjen}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Yang L, et al. (2026) IL-1R1-positive dorsal raphe neurons drive self-imposed social withdrawal in sickness. Cell, 189(1), 272.

Yao M, et al. (2025) The spinal premotor network driving scratching flexor and extensor alternation. Cell reports, 44(6), 115845.

Wei Y, et al. (2025) Sympathetic functional units encoded by genetically defined postganglionic neurons. Neuron.

Hu J, et al. (2025) Activating Striatal Parvalbumin Interneurons to Alleviate Chemotherapy-Induced Muscle Atrophy. Journal of cachexia, sarcopenia and muscle, 16(2), e13782.

Malapert P, et al. (2024) A novel Nav1.8-FLPo driver mouse for intersectional genetics to uncover the functional significance of primary sensory neuron diversity. iScience, 27(4), 109396.

Schappe MS, et al. (2024) A vagal reflex evoked by airway closure. Nature, 627(8005), 830.

Ren X, et al. (2023) Identification of an essential spinoparabrachial pathway for mechanical itch. Neuron, 111(11), 1812.

Takahashi S, et al. (2023) Sensory neuronal STAT3 is critical for IL-31 receptor expression and inflammatory itch. Cell reports, 42(12), 113433.

Gatto G, et al. (2021) A Functional Topographic Map for Spinal Sensorimotor Reflexes. Neuron, 109(1), 91.

Liu S, et al. (2020) Somatotopic Organization and Intensity Dependence in Driving Distinct NPY-Expressing Sympathetic Pathways by Electroacupuncture. Neuron, 108(3), 436.

Jensen-Cody SO, et al. (2020) FGF21 Signals to Glutamatergic Neurons in the Ventromedial Hypothalamus to Suppress Carbohydrate Intake. Cell metabolism, 32(2), 273.

Escalante A, et al. (2020) Spinal Inhibitory Ptf1a-Derived Neurons Prevent Self-Generated Itch. Cell reports, 33(8), 108422.

Okaty BW, et al. (2020) A single-cell transcriptomic and anatomic atlas of mouse dorsal raphe Pet1 neurons. eLife, 9.

Acton D, et al. (2019) Spinal Neuropeptide Y1 Receptor-Expressing Neurons Form an Essential Excitatory Pathway for Mechanical Itch. Cell reports, 28(3), 625.