

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

B6.Cg-Gt(ROSA)26Sor^{tm2.2Ksv0}/J

RRID:IMSR_JAX:026294

Type: Organism

Proper Citation

RRID:IMSR_JAX:026294

Organism Information

URL: <https://www.jax.org/strain/026294>

Proper Citation: RRID:IMSR_JAX:026294

Description: Mus musculus with name B6.Cg-Gt(ROSA)26Sor^{tm2.2Ksv0}/J from IMSR.

Species: Mus musculus

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

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

Affected Gene: gene trap ROSA 26; Philippe Soriano|

Genomic Alteration: targeted mutation 2.2; Keral Svoboda

Catalog Number: JAX:026294

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Gt(ROSA)26Sor^{tm2.2Ksv0}/J

Record Creation Time: 20250513T053757+0000

Record Last Update: 20260829T045101+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Gt(ROSA)26Sor^{tm2.2Ksv0}/J.

No alerts have been found for B6.Cg-Gt(ROSA)26Sor^{tm2.2Ksv0}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Lezgiyeva K, et al. (2026) Fast-conducting mechanonociceptors uniquely engage reflexive and affective pain circuitry to drive protective responses. *Neuron*.

Yi MH, et al. (2025) Optogenetic activation of cortical microglia promotes neuronal activity and pain hypersensitivity. *Cell reports*, 44(5), 115717.

Lezgiyeva K, et al. (2025) Fast-conducting mechanonociceptors uniquely engage reflexive and affective pain circuitry to drive protective responses. *bioRxiv : the preprint server for biology*.

Qi L, et al. (2024) A mouse DRG genetic toolkit reveals morphological and physiological diversity of somatosensory neuron subtypes. *Cell*, 187(6), 1508.

Rodgers J, et al. (2023) Functional integrity of visual coding following advanced photoreceptor degeneration. *Current biology : CB*, 33(3), 474.

Qi L, et al. (2023) A DRG genetic toolkit reveals molecular, morphological, and functional diversity of somatosensory neuron subtypes. *bioRxiv : the preprint server for biology*.

Yin X, et al. (2022) Lateralization of short-term memory in the frontal cortex. *Cell reports*, 40(7), 111190.

Rieger M, et al. (2021) Enabling comprehensive optogenetic studies of mouse hearts by simultaneous opto-electrical panoramic mapping and stimulation. *Nature communications*, 12(1), 5804.

Fisher F, et al. (2021) Cy3-RglA-5727 Labels and Inhibits $\alpha 9$ -Containing nAChRs of Cochlear Hair Cells. *Frontiers in cellular neuroscience*, 15, 697560.

Wang Y, et al. (2021) A cortico-basal ganglia-thalamo-cortical channel underlying short-term memory. *Neuron*, 109(21), 3486.

Chiang MC, et al. (2020) Divergent Neural Pathways Emanating from the Lateral Parabrachial Nucleus Mediate Distinct Components of the Pain Response. *Neuron*, 106(6), 927.

Goswamee P, et al. (2019) Acetylcholine Release Inhibits Distinct Excitatory Inputs Onto Hippocampal CA1 Pyramidal Neurons via Different Cellular and Network Mechanisms.

Frontiers in cellular neuroscience, 13, 267.