Resource Summary Report

Generated by T1D on Sep 20, 2026

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

Record Creation Time: 20250513T053757+0000

Record Last Update: 20260919T054942+0000

Ratings and Alerts

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

No alerts have been found for B6.Cg-Gt(ROSA)26Sor$^{tm2.2Ksvo}$/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 T1D .

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-RgIA-5727 Labels and Inhibits ??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.