Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

B6;129S6-Gt(ROSA)26Sor$^{tm96(CAG-GCaMP6s)Hze}$/J

RRID:IMSR_JAX:024106
Type: Organism

Proper Citation

RRID:IMSR_JAX:024106

Organism Information

URL: https://www.jax.org/strain/024106

Proper Citation: RRID:IMSR_JAX:024106

Description: Mus musculus with name B6;129S6-Gt(ROSA)26Sor$^{tm96(CAG-GCaMP6s)Hze}$/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 96; Hongkui Zeng

Catalog Number: JAX:024106

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S6-Gt(ROSA)26Sor$^{tm96(CAG-GCaMP6s)Hze}$/J

Record Creation Time: 20250513T053750+0000

Record Last Update: 20260725T044456+0000

Ratings and Alerts

- Used for phenotype by the Human Islet Research Network community. Contact(s): Vira Kravets - Human Islets Research Network https://hirnetwork.org/

No alerts have been found for B6;129S6-Gt(ROSA)26Sor$^{tm96(CAG-GCaMP6s)Hze}$/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 PRECISE-TBI .

Loizeau M, et al. (2025) Sister external tufted cells form dynamic intraglomerular ensembles representing odor identity and concentration. iScience, 28(8), 113161.

Vargas-Ortiz J, et al. (2025) Translaminar synchronous neuronal activity is required for columnar synaptic strengthening in the mouse neocortex. Nature communications, 16(1), 1296.

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

Iannone AF, et al. (2024) The chemokine Cxcl14 regulates interneuron differentiation in layer I of the somatosensory cortex. Cell reports, 43(8), 114531.

Noguchi GM, et al. (2024) Urocortin 3 contributes to paracrine inhibition of islet alpha cells in mice. The Journal of endocrinology, 261(3).

Looser ZJ, et al. (2024) Oligodendrocyte-axon metabolic coupling is mediated by extracellular K+ and maintains axonal health. Nature neuroscience, 27(3), 433.

Ferron L, et al. (2024) Functional remodeling of presynaptic voltage-gated calcium channels in superficial layers of the dorsal horn during neuropathic pain. iScience, 27(6), 109973.

Patil MJ, et al. (2023) A Novel Flp Reporter Mouse Shows That TRPA1 Expression Is Largely Limited to Sensory Neuron Subsets. eNeuro, 10(12).

Cheng YT, et al. (2023) Inhibitory input directs astrocyte morphogenesis through glial GABABR. Nature, 617(7960), 369.

Venkatesan S, et al. (2023) Chrna5 and lynx prototoxins identify acetylcholine super-responder subplate neurons. iScience, 26(2), 105992.

Ayd?n M?, et al. (2023) Active shrinkage protects neurons following axonal transection. iScience, 26(10), 107715.

Cheng YT, et al. (2023) Inhibitory input directs astrocyte morphogenesis through glial GABA B R. bioRxiv : the preprint server for biology.

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.

Cheng YT, et al. (2023) Social deprivation induces astrocytic TRPA1-GABA suppression of hippocampal circuits. Neuron, 111(8), 1301.

Jevon D, et al. (2022) Local activation of focal adhesion kinase orchestrates the positioning of presynaptic scaffold proteins and Ca2+ signalling to control glucose-dependent insulin secretion. eLife, 11.

Hösli L, et al. (2022) Decoupling astrocytes in adult mice impairs synaptic plasticity and spatial learning. Cell reports, 38(10), 110484.

Hösli L, et al. (2022) Direct vascular contact is a hallmark of cerebral astrocytes. Cell reports, 39(1), 110599.

Graf J, et al. (2022) Network instability dynamics drive a transient bursting period in the developing hippocampus in vivo. eLife, 11.

Xie Y, et al. (2022) Hair shaft miniaturization causes stem cell depletion through mechanosensory signals mediated by a Piezo1-calcium-TNF-? axis. Cell stem cell, 29(1), 70.

Parker PD, et al. (2021) Non-canonical glutamate signaling in a genetic model of migraine with aura. Neuron, 109(4), 611.