

Resource Summary Report

Generated by T1D on Sep 5, 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: 20260905T044530+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 34 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Fatima M, et al. (2026) A specialized population of hair afferents dedicated to transmitting mechanical itch. *Neuron*.

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.

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

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

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

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

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.

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

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.

Aydin 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.

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

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.

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

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