

Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

B6J.Cg-Gt(ROSA)26Sor^{tm96}(CAG-GCaMP6s)Hze/MwarJ

RRID:IMSR_JAX:028866

Type: Organism

Proper Citation

RRID:IMSR_JAX:028866

Organism Information

URL: <https://www.jax.org/strain/028866>

Proper Citation: RRID:IMSR_JAX:028866

Description: Mus musculus with name B6J.Cg-Gt(ROSA)26Sor^{tm96}(CAG-GCaMP6s)Hze/MwarJ from IMSR.

Species: Mus musculus

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 96; Hongkui Zeng

Catalog Number: JAX:028866

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6J.Cg-Gt(ROSA)26Sor^{tm96}(CAG-GCaMP6s)Hze/MwarJ

Record Creation Time: 20250513T053806+0000

Record Last Update: 20260725T044512+0000

Ratings and Alerts

- Used for humanized mouse by the Human Islet Research Network community.
Contact(s): [Carmella Evans-Molina](#), [Marjan Rupnik](#), [Farooq Syed](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for B6J.Cg-Gt(ROSA)26Sor^{tm96}(CAG-GCaMP6s)Hze/MwarJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Hill RZ, et al. (2026) Renal PIEZO2 is an essential regulator of renin. Cell, 189(1), 161.

Liu Y, et al. (2025) Lcn2 from neutrophil extracellular traps induces astrogliosis and post-stroke emotional disorders. Neuron, 113(24), 4199.

Xie T, et al. (2025) An excitatory circuit in the ventrolateral periaqueductal gray drives hypometabolic state during acute systemic inflammation. Cell reports, 44(10), 116394.

Du L, et al. (2025) Mrgprb4-lineage neurons indispensable in pressure induced pleasant sensation are polymodal. iScience, 28(2), 111940.

Mostajo-Radji MA, et al. (2025) Fate plasticity of interneuron specification. iScience, 28(4), 112295.

Xie W, et al. (2025) Vascular motion in the dorsal root ganglion sensed by Piezo2 in sensory neurons triggers episodic pain. Neuron, 113(11), 1774.

Jameson KG, et al. (2025) Select microbial metabolites in the small intestinal lumen regulates vagal activity via receptor-mediated signaling. iScience, 28(2), 111699.

Costa RM, et al. (2025) Cognitive processes are disentangled at cortex-wide scales. bioRxiv : the preprint server for biology.

Knuth ER, et al. (2024) Leucine Suppresses β -Cell cAMP and Glucagon Secretion via a Combination of Cell-Intrinsic and Islet Paracrine Signaling. Diabetes, 73(9), 1426.

Wolfson RL, et al. (2023) DRG afferents that mediate physiologic and pathologic mechanosensation from the distal colon. Cell, 186(16), 3368.

Hu X, et al. (2023) A TRPV4-dependent neuroimmune axis in the spinal cord promotes neuropathic pain. The Journal of clinical investigation, 133(5).

Li Q, et al. (2022) Form-deprivation myopia downregulates calcium levels in retinal horizontal cells in mice. *Experimental eye research*, 218, 109018.

Wei XP, et al. (2022) A novel reticular node in the brainstem synchronizes neonatal mouse crying with breathing. *Neuron*, 110(4), 644.

Margiotta JF, et al. (2021) Synaptic Components, Function and Modulation Characterized by GCaMP6f Ca²⁺ Imaging in Mouse Cholinergic Myenteric Ganglion Neurons. *Frontiers in physiology*, 12, 652714.

Wright CM, et al. (2021) scRNA-Seq Reveals New Enteric Nervous System Roles for GDNF, NRTN, and TBX3. *Cellular and molecular gastroenterology and hepatology*, 11(5), 1548.

Butiaeva LI, et al. (2021) Leptin receptor-expressing pericytes mediate access of hypothalamic feeding centers to circulating leptin. *Cell metabolism*, 33(7), 1433.

Yamawaki N, et al. (2021) Circuit organization of the excitatory sensorimotor loop through hand/forelimb S1 and M1. *eLife*, 10.

Smith-Edwards KM, et al. (2019) Extrinsic Primary Afferent Neurons Link Visceral Pain to Colon Motility Through a Spinal Reflex in Mice. *Gastroenterology*, 157(2), 522.