

Resource Summary Report

Generated by T1D on Sep 15, 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: 20260912T060545+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 19 mentions in open access literature.

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

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

Tomioka R, et al. (2026) Anatomical and neurochemical profiles of somatostatin-positive neurons in the mouse inferior colliculus. *Neuroscience*, 601, 179.

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.

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

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.

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 ??-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.

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

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.

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.