

Resource Summary Report

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B6.Cg-Igs7^{tm148.1}(tetO-GCaMP6f.CAG-tTA2)Hze/J

RRID:IMSR_JAX:030328

Type: Organism

Proper Citation

RRID:IMSR_JAX:030328

Organism Information

URL: <https://www.jax.org/strain/030328>

Proper Citation: RRID:IMSR_JAX:030328

Description: Mus musculus with name B6.Cg-Igs7^{tm148.1}(tetO-GCaMP6f.CAG-tTA2)Hze/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |Genetically encoded calcium indicator|tetracycline-controlled transactivator|intergenic site 7|tet operator; mutant strain|congenic strain: |GCaMP|tTA|Igs7|tetO

Affected Gene: |Genetically encoded calcium indicator|tetracycline-controlled transactivator|intergenic site 7|tet operator

Genomic Alteration: targeted mutation 148.1; Hongkui Zeng

Catalog Number: JAX:030328

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Igs7^{tm148.1}(tetO-GCaMP6f.CAG-tTA2)Hze/J

Record Creation Time: 20250513T053814+0000

Record Last Update: 20260829T045123+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Igs7^{tm148.1}(tetO-GCaMP6f.CAG-tTA2)Hze/J.

No alerts have been found for B6.Cg-Igs7^{tm148.1}(tetO-GCaMP6f.CAG-tTA2)Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 52 mentions in open access literature.

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

Oostland M, et al. (2026) Cerebellar acceleration of learning in an evidence-accumulation task. Cell reports, 45(4), 117262.

Ozdemirli K, et al. (2026) DeepFaceMouse enables scalable prediction of large-scale brain activity from facial dynamics in mice. Cell reports methods, 101480.

Palacio-Manzano M, et al. (2026) Proprioceptive cortical neurons implement optimal state estimation. Current biology : CB, 36(14), 3623.

An X, et al. (2026) A cortical circuit for orchestrating oromaneal food manipulation. Neuron, 114(12), 2254.

Yang X, et al. (2026) A sync state in the midbrain dopamine network for interoceptive nutrient learning. Neuron.

Cook SG, et al. (2026) Psilocybin induces sex- and context-specific recruitment of the stress axis. Current biology : CB, 36(1), 122.

Li Y, et al. (2026) Corticothalamic communication for action coordination in a skilled motor behavior. Nature neuroscience, 29(3), 660.

Peng J, et al. (2026) Targeting G i/o -coupled GPCRs to inhibit nociceptors: insights from the serotonin receptor Htr1b and triptans. bioRxiv : the preprint server for biology.

Lezgiyeva K, et al. (2026) Fast-conducting mechanonociceptors uniquely engage reflexive and affective pain circuitry to drive protective responses. Neuron.

Sweeney CG, et al. (2025) Reliable sensory processing of superficial cortical interneurons is modulated by behavioral state. Cell reports, 44(5), 115678.

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.

Lo H, et al. (2025) Feeding-induced olfactory cortex suppression reduces satiation. *Neuron*, 113(17), 2856.

Rademacher K, et al. (2025) Chronic hyperactivation of midbrain dopamine neurons causes preferential dopamine neuron degeneration. *eLife*, 13.

Tolooshams B, et al. (2025) Interpretable deep learning for deconvolutional analysis of neural signals. *Neuron*, 113(8), 1151.

Park E, et al. (2025) Somatostatin neurons detect stimulus-reward contingencies to reduce neocortical inhibition during learning. *Cell reports*, 44(5), 115606.

Li Y, et al. (2025) Motor Cortical Output Integrates Distorted Proprioceptive Feedback. *bioRxiv* : the preprint server for biology.

Sun Y, et al. (2025) Motor learning drives region-specific transcriptomic remodeling in the motor cortex and dorsal striatum. *bioRxiv* : the preprint server for biology.

de Gee JW, et al. (2024) Strategic stabilization of arousal boosts sustained attention. *Current biology* : CB, 34(18), 4114.

Manley J, et al. (2024) Simultaneous, cortex-wide dynamics of up to 1 million neurons reveal unbounded scaling of dimensionality with neuron number. *Neuron*.

Chang H, et al. (2024) Stress-sensitive neural circuits change the gut microbiome via duodenal glands. *Cell*, 187(19), 5393.