# Resource Summary Report

Generated by dkNET on Sep 21, 2026

## C57BL/6J-Tg(Thy1-GCaMP6s)GP4.12Dkim/J

RRID:IMSR_JAX:025776
Type: Organism

### Proper Citation

RRID:IMSR_JAX:025776

### Organism Information

**URL:** https://www.jax.org/strain/025776

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**Description:** Mus musculus with name C57BL/6J-Tg(Thy1-GCaMP6s)GP4.12Dkim/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: Genetically encoded calcium indicator|thymus cell antigen 1; theta|transgene insertion GP4.12; Douglas Kim; coisogenic strain|mutant strain: GCaMP|Thy1|Tg(Thy1-GCaMP6s)GP4.12Dkim

**Affected Gene:** Genetically encoded calcium indicator|thymus cell antigen 1; theta|transgene insertion GP4.12; Douglas Kim

**Genomic Alteration:** transgene insertion GP4.12; Douglas Kim

**Catalog Number:** JAX:025776

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** C57BL/6J-Tg(Thy1-GCaMP6s)GP4.12Dkim/J

**Record Creation Time:** 20250513T053755+0000

**Record Last Update:** 20260919T054940+0000

### Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Tg(Thy1-GCaMP6s)GP4.12Dkim/J.

No alerts have been found for C57BL/6J-Tg(Thy1-GCaMP6s)GP4.12Dkim/J.

## Data and Source Information

**Source:** Integrated Animals

**Source Database:** JAX Mice and Services

## Usage and Citation Metrics

We found 10 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET .


Nippert AR, et al. (2024) Whisker-evoked neurovascular coupling is preserved during hypoglycemia in mouse cortical arterioles and capillaries. Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism, 44(2), 155.

Guo H, et al. (2023) Effects of focused ultrasound in a "clean" mouse model of ultrasonic neuromodulation. iScience, 26(12), 108372.

Császár E, et al. (2022) Microglia modulate blood flow, neurovascular coupling, and hypoperfusion via purinergic actions. The Journal of experimental medicine, 219(3).

McGill M, et al. (2022) Neural signatures of auditory hypersensitivity following acoustic trauma. eLife, 11.

Heindl S, et al. (2021) Chronic T cell proliferation in brains after stroke could interfere with the efficacy of immunotherapies. The Journal of experimental medicine, 218(8).

Kotekal S, et al. (2020) Recurrent interactions can explain the variance in single trial responses. PLoS computational biology, 16(1), e1007591.

Cramer JV, et al. (2019) In vivo widefield calcium imaging of the mouse cortex for analysis of network connectivity in health and brain disease. NeuroImage, 199, 570.

Minderer M, et al. (2019) The Spatial Structure of Neural Encoding in Mouse Posterior Cortex during Navigation. Neuron, 102(1), 232.

Dechery JB, et al. (2018) Functional triplet motifs underlie accurate predictions of single-trial responses in populations of tuned and untuned V1 neurons. PLoS computational biology, 14(5), e1006153.

Sato T, et al. (2018) Ultrasonic Neuromodulation Causes Widespread Cortical Activation via an Indirect Auditory Mechanism. Neuron, 98(5), 1031.