

Resource Summary Report

Generated by T1D on Sep 22, 2026

STOCK Tg(Thy1-jRGECO1a)GP8.31Dkim/J

RRID:IMSR_JAX:030526

Type: Organism

Proper Citation

RRID:IMSR_JAX:030526

Organism Information

URL: <https://www.jax.org/strain/030526>

Proper Citation: RRID:IMSR_JAX:030526

Description: Mus musculus with name STOCK Tg(Thy1-jRGECO1a)GP8.31Dkim/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Tg(Thy1-jRGECO1a)GP8.31Dkim/J

Notes: gene symbol note: transgene insertion GP8.31; Douglas Kim|thymus cell antigen 1; theta|; mutant stock: Tg(Thy1-jRGECO1a)GP8.31Dkim|Thy1|

Affected Gene: transgene insertion GP8.31; Douglas Kim|thymus cell antigen 1; theta|

Genomic Alteration: transgene insertion GP8.31; Douglas Kim

Catalog Number: JAX:030526

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Thy1-jRGECO1a)GP8.31Dkim/J

Record Creation Time: 20250513T053815+0000

Record Last Update: 20260919T055000+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Thy1-jRGECO1a)GP8.31Dkim/J.

No alerts have been found for STOCK Tg(Thy1-jRGECO1a)GP8.31Dkim/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Rakymzhan A, et al. (2025) Parvalbumin interneurons drive depth-dependent vascular responses. *iScience*, 28(12), 113965.

Goldberg AR, et al. (2025) Glioma-induced alterations in excitatory neurons are reversed by mTOR inhibition. *Neuron*, 113(6), 858.

Duque M, et al. (2025) Ketamine induces plasticity in a norepinephrine-astroglial circuit to promote behavioral perseverance. *Neuron*, 113(3), 426.

Yang Q, et al. (2024) Revealing in?vivo cellular mechanisms of cerebral microbleeds on neurons and microglia across cortical layers. *iScience*, 27(4), 109371.

Moran AK, et al. (2021) Circuit Contributions to Sensory-Driven Glutamatergic Drive of Olfactory Bulb Mitral and Tufted Cells During Odorant Inhalation. *Frontiers in neural circuits*, 15, 779056.