

Resource Summary Report

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STOCK Igs7^{tm93.1(tetO-GCaMP6f)Hze} Tg(Camk2a-tTA)1Mmay/J

RRID:IMSR_JAX:024108

Type: Organism

Proper Citation

RRID:IMSR_JAX:024108

Organism Information

URL: <https://www.jax.org/strain/024108>

Proper Citation: RRID:IMSR_JAX:024108

Description: Mus musculus with name STOCK Igs7^{tm93.1(tetO-GCaMP6f)Hze} Tg(Camk2a-tTA)1Mmay/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 1; Mark Mayford|tet operator|intergenic site 7|tetracycline-controlled transactivator|Genetically encoded calcium indicator|calcium/calmodulin-dependent protein kinase II alpha; mutant stock: Tg(Camk2a-tTA)1Mmay|tetO|Igs7|tTA|GCaMP|Camk2a

Affected Gene: transgene insertion 1; Mark Mayford|tet operator|intergenic site 7|tetracycline-controlled transactivator|Genetically encoded calcium indicator|calcium/calmodulin-dependent protein kinase II alpha

Genomic Alteration: transgene insertion 1; Mark Mayford|targeted mutation 93; Hongkui Zeng

Catalog Number: JAX:024108

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Igs7^{tm93.1(tetO-GCaMP6f)Hze} Tg(Camk2a-tTA)1Mmay/J

Record Creation Time: 20250513T053750+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Igs7^{tm93.1}(tetO-GCaMP6f)^{Hze} Tg(Camk2a-tTA)1Mmay/J.

No alerts have been found for STOCK Igs7^{tm93.1}(tetO-GCaMP6f)^{Hze} Tg(Camk2a-tTA)1Mmay/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Montgomery DP, et al. (2026) Circuit dynamics of binocular conflict in mouse primary visual cortex. *Frontiers in systems neuroscience*, 20, 1786396.

Shen J, et al. (2026) Anterior lateral motor cortex enables contextual decision-making via dynamic reconfiguration of local circuits. *Cell reports*, 45(6), 117456.

Montgomery DP, et al. (2025) Responses to conflicting binocular stimuli in mouse primary visual cortex. *bioRxiv : the preprint server for biology*.

Gallero-Salas Y, et al. (2021) Sensory and Behavioral Components of Neocortical Signal Flow in Discrimination Tasks with Short-Term Memory. *Neuron*, 109(1), 135.

Garrett M, et al. (2020) Experience shapes activity dynamics and stimulus coding of VIP inhibitory cells. *eLife*, 9.

Millman DJ, et al. (2020) VIP interneurons in mouse primary visual cortex selectively enhance responses to weak but specific stimuli. *eLife*, 9.

Kim T, et al. (2019) Opposing Somatic and Dendritic Expression of Stimulus-Selective Response Plasticity in Mouse Primary Visual Cortex. *Frontiers in cellular neuroscience*, 13, 555.

Gilad A, et al. (2018) Behavioral Strategy Determines Frontal or Posterior Location of Short-Term Memory in Neocortex. *Neuron*, 99(4), 814.