Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

LE-Tg(Thy1-GCaMP6f)7Rrrc

RRID:RRRC_00830
Type: Organism

Proper Citation

RRID:RRRC_00830

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=13462045

Proper Citation: RRID:RRRC_00830

Description: Rattus norvegicus with name LE-Tg(Thy1-GCaMP6f)7Rrrc from RGD.

Species: Rattus norvegicus

Notes: Pronuclear injection was used to introduce an expression cassette containing the Thy-1 enhancer and GCaMP6f protein coding sequence. GCaMP6f is a genetically encoded calcium indicator. It is a synthetic fusion of green fluorescent protein, calmodulin, and M13, a peptide sequence from myosin light-chain kinase. Rat Resource & Research Center

Catalog Number: 00830

Background: transgenic

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Live Animals (as of 2024-01-17)

Alternate IDs: RGD_13462045, 13462045, RRRC_830, RRRC_0830, RRRC_00830

Organism Name: LE-Tg(Thy1-GCaMP6f)7Rrrc

Record Creation Time: 20230607T202007+0000

Record Last Update: 20260808T100723+0000

Ratings and Alerts

No rating or validation information has been found for LE-Tg(Thy1-GCaMP6f)7Rrrc .

No alerts have been found for LE-Tg(Thy1-GCaMP6f)7Rrrc .

Data and Source Information

Source: Integrated Animals

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Chao TH, et al. (2023) Neuronal dynamics of the default mode network and anterior insular cortex: Intrinsic properties and modulation by salient stimuli. Science advances, 9(7), eade5732.

Mandt BH, et al. (2018) Quantitative trait loci for sensitivity to acute ethanol and ethanol consummatory behaviors in rats. Alcohol (Fayetteville, N.Y.), 66, 55.

Scott BB, et al. (2018) Imaging Cortical Dynamics in GCaMP Transgenic Rats with a Head-Mounted Widefield Macroscope. Neuron, 100(5), 1045.