

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

TI{20XUAS-SPARC-D-jGCaMP7f}CR-P40

RRID:BDSC_86320

Type: Organism

Proper Citation

RRID:BDSC_86320

Organism Information

URL: <https://n2t.net/bdsc:86320>

Proper Citation: RRID:BDSC_86320

Description: Drosophila melanogaster with name TI{20XUAS-SPARC-D-jGCaMP7f}CR-P40 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating CyO and/or TM6B. Donor: Thomas Clandinin & Jesse Isaacman-Beck, Stanford University

Affected Gene: jGCaMP7f, UAS

Genomic Alteration: Chromosome 2

Catalog Number: 86320

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_86320, BDSC:86320, BL86320

Organism Name: TI{20XUAS-SPARC-D-jGCaMP7f}CR-P40

Record Creation Time: 20240911T223328+0000

Record Last Update: 20260905T141429+0000

Ratings and Alerts

No rating or validation information has been found for TI{20XUAS-SPARC-D-jGCaMP7f}CR-P40.

No alerts have been found for TI{20XUAS-SPARC-D-jGCaMP7f}CR-P40.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Yin J, et al. (2025) Glia-derived noncanonical fatty acid binding protein modulates brain lipid storage and clearance. Science advances, 11(31), eadv2902.

Yin J, et al. (2024) Glia-derived secretory fatty acid binding protein Obp44a regulates lipid storage and efflux in the developing Drosophila brain. bioRxiv : the preprint server for biology.

Wang J, et al. (2022) Drosophila Larval Light-Avoidance is Negatively Regulated by Temperature Through Two Pairs of Central Brain Neurons. Neuroscience bulletin, 38(2), 200.

Yin J, et al. (2021) Brain-specific lipoprotein receptors interact with astrocyte derived apolipoprotein and mediate neuron-glia lipid shuttling. Nature communications, 12(1), 2408.

Chiu JC, et al. (2010) Assaying locomotor activity to study circadian rhythms and sleep parameters in Drosophila. Journal of visualized experiments : JoVE(43).