Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6m-p10}su(Hw)attP1

RRID:BDSC_44275
Type: Organism

Proper Citation

RRID:BDSC_44275

Organism Information

URL: https://n2t.net/bdsc:44275

Proper Citation: RRID:BDSC_44275

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6m-p10}su(Hw)attP1 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Douglas Kim & GENIE Project, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: GCaMP6m, lexAop, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 44275

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_44275, BL44275

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6m-p10}su(Hw)attP1

Record Creation Time: 20240911T222721+0000

Record Last Update: 20260808T194952+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6m-p10}su(Hw)attP1.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6m-p10}su(Hw)attP1.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

McDowell SAT, et al. (2026) Modulation of attractive salt taste in Drosophila. iScience, 29(3), 115128.

Samara E, et al. (2025) Columnar cholinergic neurotransmission onto T5 cells of Drosophila. Current biology : CB, 35(6), 1269.

Rachad EY, et al. (2025) Functional dissection of a neuronal brain circuit mediating higher-order associative learning. Cell reports, 44(5), 115593.

Zhao Y, et al. (2023) Direction Selectivity of TmY Neurites in Drosophila. Neuroscience bulletin, 39(5), 759.

Issa AR, et al. (2022) A novel post-developmental role of the Hox genes underlies normal adult behavior. Proceedings of the National Academy of Sciences of the United States of America, 119(49), e2209531119.

Israel S, et al. (2022) Olfactory stimuli and moonwalker SEZ neurons can drive backward locomotion in Drosophila. Current biology : CB, 32(5), 1131.

Zanon M, et al. (2022) All-optical manipulation of the Drosophila olfactory system. Scientific reports, 12(1), 8506.

Barber AF, et al. (2021) Drosophila clock cells use multiple mechanisms to transmit time-of-day signals in the brain. Proceedings of the National Academy of Sciences of the United States of America, 118(10).

Qi W, et al. (2021) A novel satiety sensor detects circulating glucose and suppresses food consumption via insulin-producing cells in Drosophila. Cell research, 31(5), 580.

Zarin AA, et al. (2019) A multilayer circuit architecture for the generation of distinct locomotor behaviors in Drosophila. eLife, 8.

Schilling T, et al. (2019) Transcriptional control of morphological properties of direction-selective T4/T5 neurons in Drosophila. Development (Cambridge, England), 146(2).

Sato S, et al. (2018) Synaptic depression induced by postsynaptic cAMP production in the Drosophila mushroom body calyx. The Journal of physiology, 596(12), 2447.

Strother JA, et al. (2017) The Emergence of Directional Selectivity in the Visual Motion Pathway of Drosophila. Neuron, 94(1), 168.

King AN, et al. (2017) A Peptidergic Circuit Links the Circadian Clock to Locomotor Activity. Current biology : CB, 27(13), 1915.

Frank DD, et al. (2017) Early Integration of Temperature and Humidity Stimuli in the Drosophila Brain. Current biology : CB, 27(15), 2381.