Resource Summary Report

Generated by NIF on Sep 16, 2026

y[1] w[*]; wg[Sp-1]/CyO, P{w[+mC]=Dfd-EYFP}2; P{y[+t7.7] w[+mC]=13XLexAop2-post-t-GRASP}attP2 PBac{y[+mDint2] w[+mC]=20XUAS-pre-t-GRASP}VK00027

RRID:BDSC_79040
Type: Organism

Proper Citation

RRID:BDSC_79040

Organism Information

URL: https://n2t.net/bdsc:79040

Proper Citation: RRID:BDSC_79040

Description: Drosophila melanogaster with name y[1] w[*]; wg[Sp-1]/CyO, P{w[+mC]=Dfd-EYFP}2; P{y[+t7.7] w[+mC]=13XLexAop2-post-t-GRASP}attP2 PBac{y[+mDint2] w[+mC]=20XUAS-pre-t-GRASP}VK00027 from BDSC.

Species: Drosophila melanogaster

Notes: Used for the t-GRASP technique for assessing neuronal connectivity. Donor: Rongwen Xi, National Institute of Biological Sciences

Affected Gene: cac, spGFP11, UAS, lexAop, Mmus\Icam5, spGFP1-10, Avic\GFP, Dfd, speck, w, y

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 79040

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_79040, BDSC:79040, BL79040

Organism Name: y[1] w[*]; wg[Sp-1]/CyO, P{w[+mC]=Dfd-EYFP}2; P{y[+t7.7] w[+mC]=13XLexAop2-post-t-GRASP}attP2 PBac{y[+mDint2] w[+mC]=20XUAS-pre-t-GRASP}VK00027

Record Creation Time: 20240911T223218+0000

Record Last Update: 20260912T204502+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; wg[Sp-1]/CyO, P{w[+mC]=Dfd-EYFP}2; P{y[+t7.7] w[+mC]=13XLexAop2-post-t-GRASP}attP2 PBac{y[+mDint2] w[+mC]=20XUAS-pre-t-GRASP}VK00027.

No alerts have been found for y[1] w[*]; wg[Sp-1]/CyO, P{w[+mC]=Dfd-EYFP}2; P{y[+t7.7] w[+mC]=13XLexAop2-post-t-GRASP}attP2 PBac{y[+mDint2] w[+mC]=20XUAS-pre-t-GRASP}VK00027.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Zhang T, et al. (2025) Neuropeptide-mediated synaptic plasticity regulates context-dependent mating behaviors in Drosophila. PLoS biology, 23(9), e3003330.

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

Duan W, et al. (2023) A Visual Pathway into Central Complex for High-Frequency Motion-Defined Bars in Drosophila. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(26), 4821.

Tomita J, et al. (2021) Protocerebral Bridge Neurons That Regulate Sleep in Drosophila melanogaster. Frontiers in neuroscience, 15, 647117.

Sun Y, et al. (2020) Social attraction in Drosophila is regulated by the mushroom body and serotonergic system. Nature communications, 11(1), 5350.

Zhan YP, et al. (2016) Taotie neurons regulate appetite in Drosophila. Nature communications, 7, 13633.