

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

[w\[*\]; P{w\[+mC\]=5-HT1B-GAL4.Y}3](#)

RRID:BDSC_27637

Type: Organism

Proper Citation

RRID:BDSC_27637

Organism Information

URL: <https://n2t.net/bdsc:27637>

Proper Citation: RRID:BDSC_27637

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=5-HT1B-GAL4.Y}3 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating TM3, Sb[1]. Donor: Amita Sehgal, University of Pennsylvania, Perelman School of Medicine & Quan Yuan, University of Pennsylvania

Affected Gene: 5-HT1B, GAL4, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 27637

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27637, BL27637

Organism Name: w[*]; P{w[+mC]=5-HT1B-GAL4.Y}3

Record Creation Time: 20240911T222447+0000

Record Last Update: 20260801T195016+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=5-HT1B-GAL4.Y}3.

No alerts have been found for w[*]; P{w[+mC]=5-HT1B-GAL4.Y}3.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

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

Huang N, et al. (2025) Rapid memory shift between different synaptic ensembles promotes forgetting in Drosophila. Current biology : CB, 35(13), 3119.

Yang Q, et al. (2023) Spontaneous recovery of reward memory through active forgetting of extinction memory. Current biology : CB, 33(5), 838.

Modi MN, et al. (2023) Flexible specificity of memory in Drosophila depends on a comparison between choices. eLife, 12.

Ishii K, et al. (2022) A neurogenetic mechanism of experience-dependent suppression of aggression. Science advances, 8(36), eabg3203.

Hancock CE, et al. (2020) Visualization of naive and learned odor representations using in vivo calcium imaging and immunohistochemical bouton mapping of single Drosophila mushroom body neurons. STAR protocols, 1(3), 100210.

Bilz F, et al. (2020) Visualization of a Distributed Synaptic Memory Code in the Drosophila Brain. Neuron, 106(6), 963.

Gao Y, et al. (2019) Genetic dissection of active forgetting in labile and consolidated memories in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 116(42), 21191.

Zhang X, et al. (2018) Active Protection: Learning-Activated Raf/MAPK Activity Protects Labile Memory from Rac1-Independent Forgetting. Neuron, 98(1), 142.