Resource Summary Report

Generated by RRID on Aug 7, 2026

w[*]; P{w[+mC]=Gr5a-GAL4.8.5}6; Dr[1]/TM3, Sb[1]

RRID:BDSC_57592
Type: Organism

Proper Citation

RRID:BDSC_57592

Organism Information

URL: https://n2t.net/bdsc:57592

Proper Citation: RRID:BDSC_57592

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=Gr5a-GAL4.8.5}6; Dr[1]/TM3, Sb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: John Carlson, Yale University

Affected Gene: Dr, GAL4, Gr5a, Sb, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 57592

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_57592, BL57592

Organism Name: w[*]; P{w[+mC]=Gr5a-GAL4.8.5}6; Dr[1]/TM3, Sb[1]

Record Creation Time: 20240911T222855+0000

Record Last Update: 20260801T195543+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=Gr5a-GAL4.8.5}6; Dr[1]/TM3, Sb[1].

No alerts have been found for w[*]; P{w[+mC]=Gr5a-GAL4.8.5}6; Dr[1]/TM3, Sb[1].

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Kaushik S, et al. (2026) Activity and State-Dependent Modulation of Salt Taste Behavior Via Pharyngeal Neurons in Drosophila melanogaster. Neuroscience insights, 21, 26331055261440786.

Wang G, et al. (2025) Sexual failure decreases sweet taste perception in male Drosophila via dopaminergic signaling. eLife, 14.

Huda A, et al. (2025) Behavioral Assays for Optogenetic Manipulation of Neural Circuits in Drosophila melanogaster. Journal of visualized experiments : JoVE(216).

Renault AD, et al. (2024) Optogenetic control of Drosophila neurons: a laboratory practical for undergraduates and outreach. Journal of microbiology & biology education, 25(3), e0008624.

Meschi E, et al. (2024) Compensatory enhancement of input maintains aversive dopaminergic reinforcement in hungry Drosophila. Neuron, 112(14), 2315.

Gonz??lez Segarra AJ, et al. (2023) Hunger- and thirst-sensing neurons modulate a neuroendocrine network to coordinate sugar and water ingestion. eLife, 12.

Fu Z, et al. (2023) Using Drosophila Two-Choice Assay to Study Optogenetics in Hands-On Neurobiology Laboratory Activities. Journal of undergraduate neuroscience education : JUNE : a publication of FUN, Faculty for Undergraduate Neuroscience, 22(1), A45.

Song T, et al. (2023) Dietary cysteine drives body fat loss via FMRFamide signaling in Drosophila and mouse. Cell research, 33(6), 434.

Yang J, et al. (2023) Exposure to high-sugar diet induces transgenerational changes in sweet sensitivity and feeding behavior via H3K27me3 reprogramming. eLife, 12.

Gonz Lez-Segarra AJ, et al. (2023) Hunger- and thirst-sensing neurons modulate a neuroendocrine network to coordinate sugar and water ingestion. bioRxiv : the preprint server for biology.

Yu J, et al. (2023) A dedicate sensorimotor circuit enables fine texture discrimination by active touch. PLoS genetics, 19(1), e1010562.

Dweck HKM, et al. (2022) Ir56b is an atypical ionotropic receptor that underlies appetitive salt response in Drosophila. Current biology : CB, 32(8), 1776.

Ganguly A, et al. (2021) Requirement for an Otopetrin-like protein for acid taste in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 118(51).

Leung NY, et al. (2020) Functions of Opsins in Drosophila Taste. Current biology : CB, 30(8), 1367.

Li Q, et al. (2020) Temperature and Sweet Taste Integration in Drosophila. Current biology : CB, 30(11), 2051.

Wu SF, et al. (2019) Sweet neurons inhibit texture discrimination by signaling TMC-expressing mechanosensitive neurons in Drosophila. eLife, 8.

May CE, et al. (2019) High Dietary Sugar Reshapes Sweet Taste to Promote Feeding Behavior in Drosophila melanogaster. Cell reports, 27(6), 1675.

Mercier D, et al. (2018) Olfactory Landmark-Based Communication in Interacting Drosophila. Current biology : CB, 28(16), 2624.