Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 1, 2025

P{w[+mC]=Gad1-GAL4.3.098}2/CyO

RRID:BDSC_51630
Type: Organism

Proper Citation

RRID:BDSC_51630

Organism Information

URL: https://n2t.net/bdsc:51630

Proper Citation: RRID:BDSC_51630

Description: Drosophila melanogaster with name P{w[+mC]=Gad1-GAL4.3.098}2/CyO from BDSC.

Species: Drosophila melanogaster

Notes: Homozygotes present. Donor: Hugo J. Bellen, Baylor College of Medicine; Donor's Source: Gero Miesenbock, University of Oxford

Affected Gene: Gad1, GAL4

Genomic Alteration: Chromosome 2

Catalog Number: 51630

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC:51630, BL51630

Organism Name: P{w[+mC]=Gad1-GAL4.3.098}2/CyO

Record Creation Time: 20240911T222757+0000

Record Last Update: 20250331T212729+0000

Ratings and Alerts

No rating or validation information has been found for P{w[+mC]=Gad1-GAL4.3.098}2/CyO.

No alerts have been found for P{w[+mC]=Gad1-GAL4.3.098}2/CyO.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 34 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Chvilicek MM, et al. (2024) Large analysis of genetic manipulations reveals an inverse correlation between initial alcohol resistance and rapid tolerance phenotypes. Genes, brain, and behavior, 23(1), e12884.

Peng D, et al. (2024) Large-language models facilitate discovery of the molecular signatures regulating sleep and activity. Nature communications, 15(1), 3685.

Hussain R, et al. (2024) Drosophila expressing mutant human KCNT1 transgenes make an effective tool for targeted drug screening in a whole animal model of KCNT1-epilepsy. Scientific reports, 14(1), 3357.

Islam A, et al. (2024) Aneuploidy is Linked to Neurological Phenotypes Through Oxidative Stress. Journal of molecular neuroscience : MN, 74(2), 50.

Aimon S, et al. (2023) Global change in brain state during spontaneous and forced walk in Drosophila is composed of combined activity patterns of different neuron classes. eLife, 12.

Wu MS, et al. (2023) Aversive conditioning information transmission in Drosophila. Cell reports, 42(10), 113207.

Mabuchi Y, et al. (2023) Visual feedback neurons fine-tune Drosophila male courtship via GABA-mediated inhibition. Current biology : CB, 33(18), 3896.

Chvilicek MM, et al. (2023) Large genetic analysis of alcohol resistance and tolerance reveals an inverse correlation and suggests 'true' tolerance mutants. bioRxiv : the preprint server for biology.

Dravecz N, et al. (2022) Reduced Insulin Signaling Targeted to Serotonergic Neurons but Not Other Neuronal Subtypes Extends Lifespan in Drosophila melanogaster. Frontiers in

aging neuroscience, 14, 893444.

Das Chakraborty S, et al. (2022) Higher-order olfactory neurons in the lateral horn support odor valence and odor identity coding in Drosophila. eLife, 11.

Kasture AS, et al. (2022) Drosophila melanogaster as a model for unraveling unique molecular features of epilepsy elicited by human GABA transporter 1 variants. Frontiers in neuroscience, 16, 1074427.

Hudson AM, et al. (2021) Tissue-specific dynamic codon redefinition in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 118(5).

Hamid R, et al. (2021) Choline Transporter regulates olfactory habituation via a neuronal triad of excitatory, inhibitory and mushroom body neurons. PLoS genetics, 17(12), e1009938.

Le TD, et al. (2021) Sesamin Activates Nrf2/Cnc-Dependent Transcription in the Absence of Oxidative Stress in Drosophila Adult Brains. Antioxidants (Basel, Switzerland), 10(6).

Georganta EM, et al. (2021) Associative Learning Requires Neurofibromin to Modulate GABAergic Inputs to Drosophila Mushroom Bodies. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(24), 5274.

Estacio-Gómez A, et al. (2020) Dynamic neurotransmitter specific transcription factor expression profiles during Drosophila development. Biology open, 9(5).

Maurer GW, et al. (2020) Analysis of genes within the schizophrenia-linked 22q11.2 deletion identifies interaction of night owl/LZTR1 and NF1 in GABAergic sleep control. PLoS genetics, 16(4), e1008727.

Öztürk-Çolak A, et al. (2020) Sleep Induction by Mechanosensory Stimulation in Drosophila. Cell reports, 33(9), 108462.

Davla S, et al. (2020) AANAT1 functions in astrocytes to regulate sleep homeostasis. eLife, 9.

King LB, et al. (2020) Developmental loss of neurofibromin across distributed neuronal circuits drives excessive grooming in Drosophila. PLoS genetics, 16(7), e1008920.