

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

[w\[*\]; P{w\[+m*\]=alrm-GAL4.D}3/CyO; Dr\[1\]/TM3, Sb\[1\]](#)

RRID:BDSC_67031

Type: Organism

Proper Citation

RRID:BDSC_67031

Organism Information

URL: <https://n2t.net/bdsc:67031>

Proper Citation: RRID:BDSC_67031

Description: Drosophila melanogaster with name w[*]; P{w[+m*]=alrm-GAL4.D}3/CyO; Dr[1]/TM3, Sb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Marc Freeman, University of Massachusetts Medical School

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

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 67031

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_67031, BL67031

Organism Name: w[*]; P{w[+m*]=alrm-GAL4.D}3/CyO; Dr[1]/TM3, Sb[1]

Record Creation Time: 20240911T223025+0000

Record Last Update: 20260725T195847+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+m*]=alrm-GAL4.D}3/CyO; Dr[1]/TM3, Sb[1].

No alerts have been found for w[*]; P{w[+m*]=alrm-GAL4.D}3/CyO; 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 17 mentions in open access literature.

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

Shah N, et al. (2025) Pathogenic variants at the N-terminal arginine residue 44 disrupt human GABA transporter 1 function: insights from Drosophila epilepsy models. *Frontiers in pharmacology*, 16, 1674737.

Chen R, et al. (2025) Contribution of glial inwardly rectifying potassium (Kir) channels to potassium buffering in insect neural systems. *iScience*, 28(9), 113316.

Shah N, et al. (2025) Rescue of Epilepsy-Associated Mutations of the Highly Conserved Glycine Residue 443 in the Human GABA Transporter 1. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(11), e70614.

Castañeda-Sampedro A, et al. (2025) Cell-specific genetic expression profile of antennal glia in Drosophila reveals candidate genes in neuron-glia interactions. *Scientific reports*, 15(1), 5493.

Lago-Baldaia I, et al. (2023) A Drosophila glial cell atlas reveals a mismatch between transcriptional and morphological diversity. *PLoS biology*, 21(10), e3002328.

Marmor-Kollet N, et al. (2023) Actin-dependent astrocytic infiltration is a key step for axon defasciculation during remodeling. *Cell reports*, 42(2), 112117.

Prokhorenko MA, et al. (2023) Astrocyte store-operated calcium entry is required for centrally mediated neuropathic pain. *bioRxiv : the preprint server for biology*.

Weiss S, et al. (2022) Glial ER and GAP junction mediated Ca²⁺ waves are crucial to maintain normal brain excitability. *Glia*, 70(1), 123.

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.

Vaughen JP, et al. (2022) Glial control of sphingolipid levels sculpts diurnal remodeling in a circadian circuit. *Neuron*, 110(19), 3186.

Yin J, et al. (2021) Brain-specific lipoprotein receptors interact with astrocyte derived apolipoprotein and mediate neuron-glia lipid shuttling. *Nature communications*, 12(1), 2408.

Park YJ, et al. (2021) Phosphatidylserine synthase plays an essential role in glia and affects development, as well as the maintenance of neuronal function. *iScience*, 24(8), 102899.

Gonçalves-Pimentel C, et al. (2020) A miRNA screen procedure identifies garz as an essential factor in adult glia functions and validates *Drosophila* as a beneficial 3Rs model to study glial functions and GBF1 biology. *F1000Research*, 9, 317.

Bason M, et al. (2019) Astrocytic expression of the chaperone DNAJB6 results in non-cell autonomous protection in Huntington's disease. *Neurobiology of disease*, 124, 108.

Alyagor I, et al. (2018) Combining Developmental and Perturbation-Seq Uncovers Transcriptional Modules Orchestrating Neuronal Remodeling. *Developmental cell*, 47(1), 38.

Enriquez J, et al. (2018) Differing Strategies Despite Shared Lineages of Motor Neurons and Glia to Achieve Robust Development of an Adult Neuropil in *Drosophila*. *Neuron*, 97(3), 538.

Li YX, et al. (2018) Inhibition of NF- κ B in astrocytes is sufficient to delay neurodegeneration induced by proteotoxicity in neurons. *Journal of neuroinflammation*, 15(1), 261.