

Resource Summary Report

Generated by T1D on Sep 16, 2026

w[*]; P{w[+mC]=ppk-GAL4.G}3

RRID:BDSC_32079

Type: Organism

Proper Citation

RRID:BDSC_32079

Organism Information

URL: <https://n2t.net/bdsc:32079>

Proper Citation: RRID:BDSC_32079

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

Species: Drosophila melanogaster

Notes: Donor: Paul Adler, University of Virginia

Affected Gene: GAL4, ppk, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 32079

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_32079, BDSC:32079, BL32079

Organism Name: w[*]; P{w[+mC]=ppk-GAL4.G}3

Record Creation Time: 20240911T222529+0000

Record Last Update: 20260912T203608+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 52 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Sridharan S, et al. (2026) ILP4 and InR regulate paclitaxel-induced hypersensitivity differently in Drosophila larvae. *Molecular biology of the cell*, 37(1), ar11.

Zhao G, et al. (2026) Kinetochore proteins control microtubule dynamics in postmitotic neurons to regulate the formation of dendritic spines. *Proceedings of the National Academy of Sciences of the United States of America*, 123(18), e2520684123.

Kittock C, et al. (2026) The conserved microtubule-associated protein Mini Spindles promotes dendrite branching and limits terminal branch elongation in Drosophila class III and IV dendritic arborization neurons. *microPublication biology*, 2026.

Yuan Y, et al. (2025) Drosophila models used to simulate human ATP1A1 gene mutations that cause Charcot-Marie-Tooth type 2 disease and refractory seizures. *Neural regeneration research*, 20(1), 265.

Patel AA, et al. (2025) Neural substrates of cold nociception in Drosophila larva. *eLife*, 12.

Tenedini FM, et al. (2025) Inflammatory cytokine upd3 induces axon length-dependent synapse removal by glia. *Proceedings of the National Academy of Sciences of the United States of America*, 122(21), e2422752122.

Gualtieri C, et al. (2025) Visualization of Synapses in Larval Stages of Drosophila melanogaster Using the GRASP Technique. *Methods in molecular biology (Clifton, N.J.)*, 2910, 253.

Mora N, et al. (2025) Glycyl-tRNA sequestration is a unifying mechanism underlying GARS1-associated peripheral neuropathy. *Nucleic acids research*, 53(6).

Miao H, et al. (2025) Electrical silencing of dendritic arborization neurons rescues toxic polyglutamine-induced locomotion defect. *Fly*, 19(1), 2519687.

Lu W, et al. (2025) 'Mitotic' kinesin-5 is a dynamic brake for axonal growth in Drosophila. *Development (Cambridge, England)*, 152(9).

Yoshino J, et al. (2025) Heat-off responses of epidermal cells sensitize Drosophila larvae to noxious inputs. *bioRxiv : the preprint server for biology*.

Yoshino J, et al. (2025) *Drosophila* epidermal cells are intrinsically mechanosensitive and modulate nociceptive behavioral outputs. *eLife*, 13.

Tsao WC, et al. (2025) Splicing factor Sf3b1 facilitates maintenance of neuronal dendrites by modulating mitochondrial health. *Cellular and molecular life sciences : CMLS*, 82(1), 347.

Sung HH, et al. (2024) Galectins induced from hemocytes bridge phosphatidylserine and N-glycosylated Drpr/CED-1 receptor during dendrite pruning. *Nature communications*, 15(1), 7402.

Vicidomini R, et al. (2024) Versatile nanobody-based approach to image, track and reconstitute functional Neurexin-1 in vivo. *Nature communications*, 15(1), 6068.

Duarte VN, et al. (2024) Calcium plays an essential role in early-stage dendrite injury detection and regeneration. *Progress in neurobiology*, 239, 102635.

Lancaster CL, et al. (2024) The RNA-binding protein Nab2 regulates levels of the RhoGEF Trio to govern axon and dendrite morphology. *Molecular biology of the cell*, 35(8), ar109.

Luedke KP, et al. (2024) Dendrite intercalation between epidermal cells tunes nociceptor sensitivity to mechanical stimuli in *Drosophila* larvae. *PLoS genetics*, 20(4), e1011237.

Rankin AE, et al. (2024) Simplified homology-assisted CRISPR for gene editing in *Drosophila*. *G3 (Bethesda, Md.)*, 14(2).

Kim SM, et al. (2024) Rab11 suppresses neuronal stress signaling by localizing dual leucine zipper kinase to axon terminals for protein turnover. *eLife*, 13.