

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 6, 2026

[w\[*\]; P{w\[+mC\]=UAS-Hsap\KCNJ2.EGFP}1](#)

RRID:BDSC_6596

Type: Organism

Proper Citation

RRID:BDSC_6596

Organism Information

URL: <https://n2t.net/bdsc:6596>

Proper Citation: RRID:BDSC_6596

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-Hsap\KCNJ2.EGFP}1 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating CyO, Roi[1]. Donor: Sean Sweeney, University of Cambridge

Affected Gene: Kir2.1, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 6596

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_6596, BDSC:6596, BL6596

Organism Name: w[*]; P{w[+mC]=UAS-Hsap\KCNJ2.EGFP}1

Record Creation Time: 20240911T222201+0000

Record Last Update: 20260905T135824+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-Hsap\KCNJ2.EGFP}1.

No alerts have been found for w[*]; P{w[+mC]=UAS-Hsap\KCNJ2.EGFP}1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 62 mentions in open access literature.

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

Okamoto N, et al. (2026) Neuroendocrine control of calcium mobilization in the fruit fly. Nature, 649(8095), 122.

Padmanabhan A, et al. (2026) Embryonic dopaminergic neuron activity sustains lifelong locomotion in Drosophila. Cell reports, 45(7), 117524.

Hemmi C, et al. (2026) Neuropeptidergic circuit modulation of developmental sleep in Drosophila. eLife, 14.

Philyaw TJ, et al. (2025) Bitter Sensing Protects Drosophila from Developing Experience-Dependent Cocaine Consumption Preference. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(27).

Nath DK, et al. (2025) TRP?? regulates lipid metabolism through Dh44 neuroendocrine cells. eLife, 13.

de Queiroz BR, et al. (2025) Axonal RNA localization is essential for long-term memory. Nature communications, 16(1), 2560.

Pradhan RN, et al. (2025) Ionotropic receptors mediate arachidic acid perception and food avoidance behavior in Drosophila melanogaster. Molecules and cells, 48(12), 100290.

Zheng F, et al. (2025) Role of d-serine in intestinal ROS accumulation after sleep deprivation. Science advances, 11(29), eadr8592.

Zhang T, et al. (2025) Neuropeptide-mediated synaptic plasticity regulates context-dependent mating behaviors in Drosophila. PLoS biology, 23(9), e3003330.

Nath DK, et al. (2025) Exploring the multifaceted functions of APPL in metabolism and memory using Drosophila melanogaster. Molecules and cells, 48(1), 100163.

Velazquez A, et al. (2025) The Drosophila SIFamide Receptor Regulates Sleep and Feeding in a Time-Of-Day Specific Manner. Genes, brain, and behavior, 24(6), e70043.

Fernandez-Acosta M, et al. (2025) Triggering and modulation of a complex behavior by a single peptidergic command neuron in *Drosophila*. *Proceedings of the National Academy of Sciences of the United States of America*, 122(11), e2420452122.

Shi Y, et al. (2025) Molecular and neural basis of vomiting behavior in *Drosophila melanogaster*. *Science advances*, 11(37), eadv1143.

Marini-Davis A, et al. (2025) Juvenile hormone regulates the maturation of sexually dimorphic naive ethanol olfactory preference in *Drosophila melanogaster*. *Royal Society open science*, 12(8), 242217.

Nhuchhen Pradhan R, et al. (2025) Cholesterol taste avoidance in *Drosophila melanogaster*. *eLife*, 14.

Chai CM, et al. (2025) Shorter-duration escapes driven by *Drosophila* giant interneurons promote survival during predation. *Proceedings. Biological sciences*, 292(2047), 20241724.

Zhang T, et al. (2025) SIFamide-dependent synaptic plasticity in male-specific GABAergic neurons underlies experience-modulated mating behaviors. *iScience*, 28(10), 113516.

Kim DH, et al. (2024) Long-term neuropeptide modulation of female sexual drive via the TRP channel in *Drosophila melanogaster*. *Proceedings of the National Academy of Sciences of the United States of America*, 121(10), e2310841121.

Shrestha B, et al. (2024) Pharyngeal neuronal mechanisms governing sour taste perception in *Drosophila melanogaster*. *eLife*, 13.

Le JQ, et al. (2024) Light and dopamine impact two circadian neurons to promote morning wakefulness. *Current biology : CB*, 34(17), 3941.