

Resource Summary Report

Generated by [NIF](#) on Aug 1, 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, BL6596

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

Record Creation Time: 20240911T222201+0000

Record Last Update: 20260725T194835+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 56 mentions in open access literature.

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

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

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).

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

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

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

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

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

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.

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.

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.

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

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

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

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

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.

Sadanandappa MK, et al. (2024) Olfactory inputs regulate *Drosophila melanogaster* oogenesis. *The Journal of experimental biology*, 227(24).

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

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

He K, et al. (2023) Physiologic and Nanoscale Distinctions Define Glutamatergic Synapses in Tonic vs Phasic Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(25), 4598.