

Resource Summary Report

Generated by [kravitz2](#) on Aug 21, 2026

[w\[*\]; P{y\[+t7.7\] w\[+mC\]=UAS-ReaChR}attP40](#)

RRID:BDSC_53741

Type: Organism

Proper Citation

RRID:BDSC_53741

Organism Information

URL: <https://n2t.net/bdsc:53741>

Proper Citation: RRID:BDSC_53741

Description: Drosophila melanogaster with name w[*]; P{y[+t7.7] w[+mC]=UAS-ReaChR}attP40 from BDSC.

Species: Drosophila melanogaster

Notes: CyO may be present. Donor: Hidehiko Inagaki & David Anderson, California Institute of Technology

Affected Gene: ReaChR, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 53741

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_53741, BL53741

Organism Name: w[*]; P{y[+t7.7] w[+mC]=UAS-ReaChR}attP40

Record Creation Time: 20240911T222818+0000

Record Last Update: 20260815T192041+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{y[+t7.7] w[+mC]=UAS-ReaChR}attP40.

No alerts have been found for w[*]; P{y[+t7.7] w[+mC]=UAS-ReaChR}attP40.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

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

Liu J, et al. (2023) Alleviation of thermal nociception depends on heat-sensitive neurons and a TRP channel in the brain. Current biology : CB, 33(12), 2397.

Emmons-Bell M, et al. (2021) Membrane potential regulates Hedgehog signalling in the Drosophila wing imaginal disc. EMBO reports, 22(4), e51861.

Oh SM, et al. (2021) Multisensory interactions regulate feeding behavior in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 118(7).

May CE, et al. (2020) Dietary sugar inhibits satiation by decreasing the central processing of sweet taste. eLife, 9.

Genç Ö, et al. (2019) Target-wide Induction and Synapse Type-Specific Robustness of Presynaptic Homeostasis. Current biology : CB, 29(22), 3863.

Kim H, et al. (2018) Drosophila Gr64e mediates fatty acid sensing via the phospholipase C pathway. PLoS genetics, 14(2), e1007229.

Burgos A, et al. (2018) Nociceptive interneurons control modular motor pathways to promote escape behavior in Drosophila. eLife, 7.

Inada K, et al. (2017) Origins of Cell-Type-Specific Olfactory Processing in the Drosophila Mushroom Body Circuit. Neuron, 95(2), 357.