

Resource Summary Report

Generated by [ASWG](#) on Aug 2, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=UAS-Rac1.N17}1](#)

RRID:BDSC_6292

Type: Organism

Proper Citation

RRID:BDSC_6292

Organism Information

URL: <https://n2t.net/bdsc:6292>

Proper Citation: RRID:BDSC_6292

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=UAS-Rac1.N17}1 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Liquan Luo, Stanford University

Affected Gene: Rac1, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 6292

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_6292, BL6292

Organism Name: y[1] w[*]; P{w[+mC]=UAS-Rac1.N17}1

Record Creation Time: 20240911T222159+0000

Record Last Update: 20260801T194622+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=UAS-Rac1.N17}1.

No alerts have been found for y[1] w[*]; P{w[+mC]=UAS-Rac1.N17}1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

Andrieu C, et al. (2025) Cell deformations generated by stochastic actomyosin waves drive in vivo random-walk swimming migration. *Journal of cell science*, 138(10).

Huang YT, et al. (2025) Activation of a Src-JNK pathway in unscheduled endocycling cells of the Drosophila wing disc induces a chronic wounding response. *bioRxiv : the preprint server for biology*.

Acharjee S, et al. (2025) Polar cell membrane nanotubes containing microtubules and acidic vesicles render Drosophila eggs fertile. *PLoS biology*, 23(12), e3003533.

Huang N, et al. (2025) Rapid memory shift between different synaptic ensembles promotes forgetting in Drosophila. *Current biology : CB*, 35(13), 3119.

Mackay DJ, et al. (2025) Pvf1-Pvr-mediated crosstalk between trachea and gut guides intestinal stem cell migration to promote gut regeneration. *Nature communications*, 16(1), 8597.

Chen J, et al. (2024) Astrocyte growth is driven by the Tre1/S1pr1 phospholipid-binding G protein-coupled receptor. *Neuron*, 112(1), 93.

Dominicci-Cotto C, et al. (2024) The Wingless planar cell polarity pathway is essential for optimal activity-dependent synaptic plasticity. *Frontiers in synaptic neuroscience*, 16, 1322771.

Banerjee S, et al. (2024) Trio preserves motor synapses and prolongs motor ability during aging. *Cell reports*, 43(6), 114256.

Roach TV, et al. (2024) Mating-induced Ecdysone in the testis disrupts soma-germline contacts and stem cell cytokinesis. *Development (Cambridge, England)*, 151(11).

Li S, et al. (2024) Basal actomyosin pulses expand epithelium coordinating cell flattening and tissue elongation. *Nature communications*, 15(1), 3000.

Mishra AK, et al. (2023) Hyperactive Rac stimulates cannibalism of living target cells and enhances CAR-M-mediated cancer cell killing. *Proceedings of the National Academy of Sciences of the United States of America*, 120(52), e2310221120.

Roach TV, et al. (2023) Mating-induced ecdysone in the testis disrupts soma-germline contacts and stem cell cytokinesis. *bioRxiv : the preprint server for biology*.

Takakura M, et al. (2023) Differential second messenger signaling via dopamine neurons bidirectionally regulates memory retention. *Proceedings of the National Academy of Sciences of the United States of America*, 120(36), e2304851120.

Serna-Morales E, et al. (2023) Extracellular matrix assembly stress initiates *Drosophila* central nervous system morphogenesis. *Developmental cell*, 58(10), 825.

Penfield L, et al. (2023) Nuclear lamin facilitates collective border cell invasion into confined spaces in vivo. *The Journal of cell biology*, 222(11).

Yang Q, et al. (2023) Spontaneous recovery of reward memory through active forgetting of extinction memory. *Current biology : CB*, 33(5), 838.

Cheng KC, et al. (2022) Early A β 42 Exposure Causes Learning Impairment in Later Life. *Aging and disease*, 13(3), 868.

de Torres-Jurado A, et al. (2022) Glial-secreted Netrins regulate Robo1/Rac1-Cdc42 signaling threshold levels during *Drosophila* asymmetric neural stem/progenitor cell division. *Current biology : CB*, 32(10), 2174.

Campanale JP, et al. (2022) A Scribble/Cdep/Rac pathway controls follower-cell crawling and cluster cohesion during collective border-cell migration. *Developmental cell*, 57(21), 2483.

Zhou S, et al. (2022) Two Rac1 pools integrate the direction and coordination of collective cell migration. *Nature communications*, 13(1), 6014.