Resource Summary Report

Generated by nidm-terms on Jul 29, 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: Liqun 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: 20260725T194832+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 nidm-terms .

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??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.