

Resource Summary Report

Generated by [nidm-terms](#) on Aug 1, 2026

[w\[*\]; P{w\[+mC\]=UAS-Cdc42.N17}3](#)

RRID:BDSC_6288

Type: Organism

Proper Citation

RRID:BDSC_6288

Organism Information

URL: <https://n2t.net/bdsc:6288>

Proper Citation: RRID:BDSC_6288

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-Cdc42.N17}3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Liquan Luo, Stanford University

Affected Gene: Cdc42, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 6288

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_6288, BL6288

Organism Name: w[*]; P{w[+mC]=UAS-Cdc42.N17}3

Record Creation Time: 20240911T222159+0000

Record Last Update: 20260725T194832+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-Cdc42.N17}3.

No alerts have been found for $w[*]$; $P\{w[+mC]=UAS-Cdc42.N17\}3$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 18 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).

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.

Balaghi N, et al. (2023) Myosin waves and a mechanical asymmetry guide the oscillatory migration of Drosophila cardiac progenitors. *Developmental cell*, 58(14), 1299.

Gabbert AM, et al. (2023) Septins regulate border cell surface geometry, shape, and motility downstream of Rho in Drosophila. *Developmental cell*, 58(15), 1399.

Molina E, et al. (2022) p53 Related Protein Kinase is Required for Arp2/3-Dependent Actin Dynamics of Hemocytes in Drosophila melanogaster. *Frontiers in cell and developmental biology*, 10, 859105.

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.

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

Zhang S, et al. (2020) Periodic Oscillations of Myosin-II Mechanically Proofread Cell-Cell Connections to Ensure Robust Formation of the Cardiac Vessel. *Current biology : CB*, 30(17), 3364.

Popkova A, et al. (2020) A Cdc42-mediated supracellular network drives polarized forces and Drosophila egg chamber extension. *Nature communications*, 11(1), 1921.

Peterson NG, et al. (2020) Cytoplasmic sharing through apical membrane remodeling. *eLife*, 9.

Muraleedharan S, et al. (2018) Networks that link cytoskeletal regulators and diaphragm proteins underpin filtration function in Drosophila nephrocytes. *Experimental cell research*, 364(2), 234.

Upadhyay M, et al. (2018) A switch in the mode of Wnt signaling orchestrates the formation of germline stem cell differentiation niche in *Drosophila*. *PLoS genetics*, 14(1), e1007154.

Zhang S, et al. (2018) Selective Filopodia Adhesion Ensures Robust Cell Matching in the *Drosophila* Heart. *Developmental cell*, 46(2), 189.

Mukherjee T, et al. (2012) Genetic analysis of fibroblast growth factor signaling in the *Drosophila* eye. *G3 (Bethesda, Md.)*, 2(1), 23.

Jeon M, et al. (2012) Interactions between Type III receptor tyrosine phosphatases and growth factor receptor tyrosine kinases regulate tracheal tube formation in *Drosophila*. *Biology open*, 1(6), 548.

Qian L, et al. (2011) Tinman/Nkx2-5 acts via miR-1 and upstream of Cdc42 to regulate heart function across species. *The Journal of cell biology*, 193(7), 1181.

Harris KP, et al. (2008) Cdc42 and Par proteins stabilize dynamic adherens junctions in the *Drosophila* neuroectoderm through regulation of apical endocytosis. *The Journal of cell biology*, 183(6), 1129.

Kunwar PS, et al. (2003) Tre1, a G protein-coupled receptor, directs transepithelial migration of *Drosophila* germ cells. *PLoS biology*, 1(3), E80.