

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

[y\[1\] v\[1\]; P{y\[+t7.7\] v\[+t1.8\]=TRiP.JF02377}attP2](#)

RRID:BDSC_27051

Type: Organism

Proper Citation

RRID:BDSC_27051

Organism Information

URL: <https://n2t.net/bdsc:27051>

Proper Citation: RRID:BDSC_27051

Description: Drosophila melanogaster with name y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02377}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Transgenic RNAi Project

Affected Gene: Rab7, UAS, v, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 27051

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27051, BL27051

Organism Name: y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02377}attP2

Record Creation Time: 20240911T222442+0000

Record Last Update: 20260815T191607+0000

Ratings and Alerts

No rating or validation information has been found for y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02377}attP2.

No alerts have been found for y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02377}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Maruzs T, et al. (2026) The sorting nexin Snx21 promotes flotillin-mediated endocytosis. The FEBS journal.

Theisen EK, et al. (2026) Lysosomal salvage of neuronal lipids enables glial infiltration of synaptic regions. Neuron, 114(12), 2199.

Janz M, et al. (2026) Endosomal maturation is controlled by the trimeric Bulli-Mon1-Ccz1 Rab7 GEF complex and the Rab5 GTPase-activating protein GAPsec. Journal of cell science, 139(9).

Rasouliha SH, et al. (2025) Shaping and interpretation of Dpp morphogen gradient by endocytic trafficking. PLoS genetics, 21(7), e1011766.

Hargitai D, et al. (2025) HOPS-dependent vesicle tethering lock inhibits endolysosomal fusions and autophagosome secretion upon the loss of Syntaxin17. Science advances, 11(23), eadu9605.

Theisen EK, et al. (2025) Glia phagocytose neuronal sphingolipids to infiltrate developing synapses. bioRxiv : the preprint server for biology.

Chang YC, et al. (2024) Identification of secretory autophagy as a mechanism modulating activity-induced synaptic remodeling. Proceedings of the National Academy of Sciences of the United States of America, 121(16), e2315958121.

Soltani S, et al. (2024) Drosophila Evi5 is a critical regulator of intracellular iron transport via transferrin and ferritin interactions. Nature communications, 15(1), 4045.

Davis GH, et al. (2024) Impairment of the Glial Phagolysosomal System Drives Prion-Like Propagation in a Drosophila Model of Huntington's Disease. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(20).

Davis GH, et al. (2024) Impairment of the glial phagolysosomal system drives prion-like propagation in a Drosophila model of Huntington's disease. bioRxiv : the preprint server

for biology.

Xu C, et al. (2023) A phosphate-sensing organelle regulates phosphate and tissue homeostasis. *Nature*, 617(7962), 798.

Zhou L, et al. (2023) Convergence of secretory, endosomal, and autophagic routes in trans-Golgi-associated lysosomes. *The Journal of cell biology*, 222(1).

Li Y, et al. (2023) Drosophila transmembrane protein 214 (dTMEM214) regulates midgut glucose uptake and systemic glucose homeostasis. *Developmental biology*, 495, 92.

Guo Y, et al. (2023) A conserved STRIPAK complex is required for autophagy in muscle tissue. *Molecular biology of the cell*, 34(9), ar91.

Zhang Q, et al. (2023) Bub1 and Bub3 regulate metabolic adaptation via macrolipophagy in Drosophila. *Cell reports*, 42(4), 112343.

Milosavljevic J, et al. (2022) Nephrotic Syndrome Gene TBC1D8B Is Required for Endosomal Maturation and Nephrin Endocytosis in Drosophila. *Journal of the American Society of Nephrology : JASN*, 33(12), 2174.

Lang K, et al. (2022) Selective endocytosis controls slit diaphragm maintenance and dynamics in Drosophila nephrocytes. *eLife*, 11.

Wang L, et al. (2021) Slit diaphragm maintenance requires dynamic clathrin-mediated endocytosis facilitated by AP-2, Lap, Aux and Hsc70-4 in nephrocytes. *Cell & bioscience*, 11(1), 83.

Wang M, et al. (2021) Intracellular trafficking of Notch orchestrates temporal dynamics of Notch activity in the fly brain. *Nature communications*, 12(1), 2083.

Neuman SD, et al. (2021) A novel function for Rab1 and Rab11 during secretory granule maturation. *Journal of cell science*, 134(15).