

Resource Summary Report

Generated by [NIF](#) on Aug 28, 2026

[y\[1\] v\[1\]; P{y\[+t7.7\] v\[+t1.8\]=TRiP.JF02570}attP2](#)

RRID:BDSC_27251

Type: Organism

Proper Citation

RRID:BDSC_27251

Organism Information

URL: <https://n2t.net/bdsc:27251>

Proper Citation: RRID:BDSC_27251

Description: Drosophila melanogaster with name y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02570}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Transgenic RNAi Project

Affected Gene: nAChRalpha7, UAS, v, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 27251

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27251, BL27251

Organism Name: y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02570}attP2

Record Creation Time: 20240911T222444+0000

Record Last Update: 20260826T175426+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.JF02570}attP2.

No alerts have been found for y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02570}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Rabah Y, et al. (2025) Astrocyte-to-neuron H₂O₂ signalling supports long-term memory formation in Drosophila and is impaired in an Alzheimer's disease model. Nature metabolism, 7(2), 321.

Nakayama M, et al. (2023) Control of Synaptic Levels of Nicotinic Acetylcholine Receptor by the Sequestering Subunit D α 5 and Secreted Scaffold Protein Hig. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(22), 3989.

Noyes NC, et al. (2023) Innate and learned odor-guided behaviors utilize distinct molecular signaling pathways in a shared dopaminergic circuit. Cell reports, 42(2), 112026.

Pribbenow C, et al. (2022) Postsynaptic plasticity of cholinergic synapses underlies the induction and expression of appetitive and familiarity memories in Drosophila. eLife, 11.

de Tredern E, et al. (2021) Glial glucose fuels the neuronal pentose phosphate pathway for long-term memory. Cell reports, 36(8), 109620.

Gong NN, et al. (2021) The chromatin remodeler ISWI acts during Drosophila development to regulate adult sleep. Science advances, 7(8).

Raccuglia D, et al. (2019) Network-Specific Synchronization of Electrical Slow-Wave Oscillations Regulates Sleep Drive in Drosophila. Current biology : CB, 29(21), 3611.