

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

[y\[1\] v\[1\]; P{y\[+t7.7\] v\[+t1.8\]=TRiP.JF03136}attP2](#)

RRID:BDSC_28709

Type: Organism

Proper Citation

RRID:BDSC_28709

Organism Information

URL: <https://n2t.net/bdsc:28709>

Proper Citation: RRID:BDSC_28709

Description: Drosophila melanogaster with name y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF03136}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Transgenic RNAi Project

Affected Gene: Hsc70-4, UAS, v, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 28709

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_28709, BDSC:28709, BL28709

Organism Name: y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF03136}attP2

Record Creation Time: 20240911T222457+0000

Record Last Update: 20260912T203524+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.JF03136}attP2.

No alerts have been found for y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF03136}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Bisht A, et al. (2026) Prefoldin 5 is a microtubule-associated protein that suppresses Tau aggregation and neurotoxicity. eLife, 13.

Li J, et al. (2025) A regulator of amino acid sensing links lipid peroxidation and lipid droplet-dependent antioxidant response. Molecular cell, 85(17), 3225.

Kharrat B, et al. (2025) A novel role for Hsc70-4 in blood cell differentiation in Drosophila. Frontiers in immunology, 16, 1641695.

Rai S, et al. (2022) Hsc70-4 aggravates PolyQ-mediated neurodegeneration by modulating NF-??B mediated immune response in Drosophila. Frontiers in molecular neuroscience, 15, 857257.

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.

Khan A, et al. (2020) Membrane and synaptic defects leading to neurodegeneration in Adar mutant Drosophila are rescued by increased autophagy. BMC biology, 18(1), 15.

Johnson SL, et al. (2020) Ubiquitin-interacting motifs of ataxin-3 regulate its polyglutamine toxicity through Hsc70-4-dependent aggregation. eLife, 9.

Imler E, et al. (2019) A Drosophila model of neuronal ceroid lipofuscinosis CLN4 reveals a hypermorphic gain of function mechanism. eLife, 8.

Huang J, et al. (2018) Hsp83/Hsp90 Physically Associates with Insulin Receptor to Promote Neural Stem Cell Reactivation. Stem cell reports, 11(4), 883.

Kumar A, et al. (2018) Molecular Chaperone Hsp70 and Its Constitutively Active Form Hsc70 Play an Indispensable Role During Eye Development of Drosophila melanogaster. Molecular neurobiology, 55(5), 4345.

Yan Y, et al. (2017) HDAC6 Suppresses Age-Dependent Ectopic Fat Accumulation by Maintaining the Proteostasis of PLIN2 in Drosophila. *Developmental cell*, 43(1), 99.