

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- κ 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.