

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

[y\[1\]; P{y\[+mDint2\] w\[BR.E.BR\]=SUPor-P}Drp1\[KG03815\]/CyO; ry\[506\]](#)

RRID:BDSC_13510

Type: Organism

Proper Citation

RRID:BDSC_13510

Organism Information

URL: <https://n2t.net/bdsc:13510>

Proper Citation: RRID:BDSC_13510

Description: Drosophila melanogaster with name y[1]; P{y[+mDint2] w[BR.E.BR]=SUPor-P}Drp1[KG03815]/CyO; ry[506] from BDSC.

Species: Drosophila melanogaster

Notes: The Duox[Cy] phenotype from CyO is suppressed. Donor: Berkeley Drosophila Genome Project; Donor's Source: Gary Karpen, Salk Institute for Biological Studies

Affected Gene: Drp1, ry, y

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 13510

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_13510, BL13510

Organism Name: y[1]; P{y[+mDint2] w[BR.E.BR]=SUPor-P}Drp1[KG03815]/CyO; ry[506]

Record Creation Time: 20240911T222250+0000

Record Last Update: 20260808T194423+0000

Ratings and Alerts

No rating or validation information has been found for y[1]; P{y[+mDint2] w[BR.E.BR]=SUPor-P}Drp1[KG03815]/CyO; ry[506].

No alerts have been found for y[1]; P{y[+mDint2] w[BR.E.BR]=SUPor-P}Drp1[KG03815]/CyO; ry[506].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Uttekar B, et al. (2024) Mitochondrial morphology dynamics and ROS regulate apical polarity and differentiation in Drosophila follicle cells. Development (Cambridge, England), 151(5).

Nemtsova Y, et al. (2023) Compartment specific mitochondrial dysfunction in Drosophila knock-in model of ALS reversed by altered gene expression of OXPHOS subunits and pro-fission factor Drp1. Molecular and cellular neurosciences, 125, 103834.

Krzystek TJ, et al. (2021) Differential mitochondrial roles for ??-synuclein in DRP1-dependent fission and PINK1/Parkin-mediated oxidation. Cell death & disease, 12(9), 796.

Insolera R, et al. (2021) Mitochondrial fission, integrity and completion of mitophagy require separable functions of Vps13D in Drosophila neurons. PLoS genetics, 17(8), e1009731.

Ponte S, et al. (2020) Drp1-mediated mitochondrial fission regulates calcium and F-actin dynamics during wound healing. Biology open, 9(5).

Tsakiri EN, et al. (2019) Proteasome dysfunction induces excessive proteome instability and loss of mitostasis that can be mitigated by enhancing mitochondrial fusion or autophagy. Autophagy, 15(10), 1757.