

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 2026

[y\[1\] w\[1118\]; P{w\[+mC\]=UAS-InR.K414P}2](#)

RRID:BDSC_8250

Type: Organism

Proper Citation

RRID:BDSC_8250

Organism Information

URL: <https://n2t.net/bdsc:8250>

Proper Citation: RRID:BDSC_8250

Description: Drosophila melanogaster with name y[1] w[1118]; P{w[+mC]=UAS-InR.K414P}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Exelixis, Inc.

Affected Gene: InR, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 8250

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8250, BL8250

Organism Name: y[1] w[1118]; P{w[+mC]=UAS-InR.K414P}2

Record Creation Time: 20240911T222215+0000

Record Last Update: 20260801T194651+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[1118]; P{w[+mC]=UAS-InR.K414P}2.

No alerts have been found for y[1] w[1118]; P{w[+mC]=UAS-InR.K414P}2.

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 [ASWG](#) .

Pragati , et al. (2025) Targeted downregulation of insulin signaling restricts human tau pathogenesis by reinstating the aberrant heterochromatin loss and mTOR/4EBP/S6K pathway in Drosophila. Brain research, 1849, 149347.

Li J, et al. (2025) Desaturase-dependent secretory functions of hepatocyte-like cells control systemic lipid metabolism during starvation in Drosophila. Nature communications, 16(1), 10409.

Lee D, et al. (2024) Diabetic sensory neuropathy and insulin resistance are induced by loss of UCHL1 in Drosophila. Nature communications, 15(1), 468.

Greenspan LJ, et al. (2022) Activation of the EGFR/MAPK pathway drives transdifferentiation of quiescent niche cells to stem cells in the Drosophila testis niche. eLife, 11.

Palermo J, et al. (2022) Expression of a constitutively active insulin receptor in Drosulfakinin (Dsk) neurons regulates metabolism and sleep in Drosophila. Biochemistry and biophysics reports, 30, 101280.

Chen YR, et al. (2019) Aging-induced Akt activation involves in aging-related pathologies and A??-induced toxicity. Aging cell, 18(4), e12989.

Kaur H, et al. (2019) Lar maintains the homeostasis of the hematopoietic organ in Drosophila by regulating insulin signaling in the niche. Development (Cambridge, England), 146(24).