

# Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

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

RRID:BDSC\_8250

Type: Organism

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## Proper Citation

RRID:BDSC\_8250

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## 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, BDSC:8250, BL8250

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

**Record Creation Time:** 20240911T222215+0000

**Record Last Update:** 20260912T203143+0000

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## 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.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Singh K, et al. (2026) Phosphatidylinositol-3-phosphate-dependent Klp98A recruitment regulates endosomal flux underlying developmental synaptic remodeling via Rab4. *Journal of cell science*, 139(6).

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.

Zhang R, et al. (2024) Soma-germline communication drives sex maintenance in the Drosophila testis. *National science review*, 11(8), nwae215.

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).