

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=GAL4-Act5C\(FRT.CD2\).P}S](#)

RRID:BDSC_4780

Type: Organism

Proper Citation

RRID:BDSC_4780

Organism Information

URL: <https://n2t.net/bdsc:4780>

Proper Citation: RRID:BDSC_4780

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=GAL4-Act5C(FRT.CD2).P}S from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Bruce Edgar, Fred Hutchinson Cancer Center; Donor's Source: Larry Zipursky, University of California, Los Angeles

Affected Gene: Act5C, FRT, GAL4, Rnor\CD2, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 4780

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_4780, BDSC:4780, BL4780

Organism Name: y[1] w[*]; P{w[+mC]=GAL4-Act5C(FRT.CD2).P}S

Record Creation Time: 20240911T222146+0000

Record Last Update: 20260912T203105+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=GAL4-Act5C(FRT.CD2).P}S.

No alerts have been found for y[1] w[*]; P{w[+mC]=GAL4-Act5C(FRT.CD2).P}S.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Girard V, et al. (2026) ShineGAL4 drivers for tissue and cell-type specific optogenetics in Drosophila. *Development* (Cambridge, England), 153(4).

Cuper D, et al. (2026) Tissue-specific role of dTrmO in threonine decoding during Drosophila melanogaster development. *Biological research*, 59(1).

Teles-Reis J, et al. (2025) EyaHOST, a modular genetic system for investigation of intercellular and tumor-host interactions in Drosophila melanogaster. *Cell reports methods*, 5(11), 101220.

Church SJ, et al. (2025) Oncogenic signaling in the Drosophila prostate-like accessory gland activates a pro-tumorigenic program in the absence of proliferation. *Disease models & mechanisms*, 18(4).

Teles-Reis J, et al. (2024) EyaHOST, a modular genetic system for investigation of intercellular and tumor-host interactions in Drosophila melanogaster. *bioRxiv : the preprint server for biology*.

Fogarty EA, et al. (2024) Transcriptional repression and enhancer decommissioning silence cell cycle genes in postmitotic tissues. *G3* (Bethesda, Md.), 14(10).

T??pfer U, et al. (2024) AdamTS proteases control basement membrane heterogeneity and organ shape in Drosophila. *Cell reports*, 43(7), 114399.

Fogarty EA, et al. (2024) Transcriptional repression and enhancer decommissioning silence cell cycle genes in postmitotic tissues. *bioRxiv : the preprint server for biology*.

di Pietro F, et al. (2023) Systematic analysis of RhoGEF/GAP localizations uncovers regulators of mechanosensing and junction formation during epithelial cell division. *Current biology : CB*, 33(5), 858.

Phipps DN, et al. (2023) Utilizing the FLP-Out System for Clonal RNAi Analysis in the Adult Drosophila Ovary. *Methods in molecular biology* (Clifton, N.J.), 2626, 69.

- Rajan A, et al. (2023) Low-level repressive histone marks fine-tune gene transcription in neural stem cells. *eLife*, 12.
- Tsuboi A, et al. (2023) Spatiotemporal remodeling of extracellular matrix orients epithelial sheet folding. *Science advances*, 9(35), eadh2154.
- Kalodimou K, et al. (2023) Separable Roles for Neur and Ubiquitin in Delta Signalling in the *Drosophila* CNS Lineages. *Cells*, 12(24).
- Wang H, et al. (2022) The Blimp-1 transcription factor acts in non-neuronal cells to regulate terminal differentiation of the *Drosophila* eye. *Development* (Cambridge, England), 149(7).
- Worley MI, et al. (2022) Ets21C sustains a pro-regenerative transcriptional program in blastema cells of *Drosophila* imaginal discs. *Current biology : CB*, 32(15), 3350.
- Rass M, et al. (2022) The *Drosophila* functional Smad suppressing element fuss, a homologue of the human Skor genes, retains pro-oncogenic properties of the Ski/Sno family. *PloS one*, 17(1), e0262360.
- Pfeifer K, et al. (2022) Patient-associated mutations in *Drosophila* Alk perturb neuronal differentiation and promote survival. *Disease models & mechanisms*, 15(8).
- Weichselberger V, et al. (2022) Eya-controlled affinity between cell lineages drives tissue self-organization during *Drosophila* oogenesis. *Nature communications*, 13(1), 6377.
- Lavalou J, et al. (2021) Formation of polarized contractile interfaces by self-organized Toll-8/Cir1 GPCR asymmetry. *Developmental cell*, 56(11), 1574.
- Arguello JR, et al. (2021) Targeted molecular profiling of rare olfactory sensory neurons identifies fate, wiring, and functional determinants. *eLife*, 10.