

# Resource Summary Report

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

[w\[\\*\]; P{w\[+mC\]=Sgs3-GFP}3](#)

RRID:BDSC\_5885

Type: Organism

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## Proper Citation

RRID:BDSC\_5885

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## Organism Information

**URL:** <https://n2t.net/bdsc:5885>

**Proper Citation:** RRID:BDSC\_5885

**Description:** Drosophila melanogaster with name w[\*]; P{w[+mC]=Sgs3-GFP}3 from BDSC.

**Species:** Drosophila melanogaster

**Notes:** Donor: Lucy Cherbas, Indiana University, Bloomington; Donor's Source: Andy Andres, Northwestern University

**Affected Gene:** Sgs3, w

**Genomic Alteration:** Chromosome 1, Chromosome 3

**Catalog Number:** 5885

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

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC\_5885, BDSC:5885, BL5885

**Organism Name:** w[\*]; P{w[+mC]=Sgs3-GFP}3

**Record Creation Time:** 20240911T222156+0000

**Record Last Update:** 20260912T203117+0000

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## Ratings and Alerts

No rating or validation information has been found for  $w[*]; P\{w[+mC]=Sgs3-GFP\}3$ .

No alerts have been found for  $w[*]; P\{w[+mC]=Sgs3-GFP\}3$ .

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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 15 mentions in open access literature.

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

Kilbourn EA, et al. (2026) Exposure to perfluorooctanoic acid accelerates *Drosophila melanogaster* juvenile development and disrupts mitochondrial metabolism. *bioRxiv : the preprint server for biology*.

Suzawa M, et al. (2025) The insulin-like peptides Dilp2 and Dilp6 exhibit divergent responses to dietary sugar and protein in *Drosophila* larvae. *Proceedings of the National Academy of Sciences of the United States of America*, 122(42), e2426930122.

Kumar P, et al. (2025) A single catalytic domain residue regulates the substrate specificity of a mucin-type O-glycosyltransferase in salivary gland function. *bioRxiv : the preprint server for biology*.

Zhang L, et al. (2024) A novel cysteine-rich adaptor protein is required for mucin packaging and secretory granule stability in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, 121(6), e2314309121.

McPherson WK, et al. (2024) Synchronizing *Drosophila* larvae with the salivary gland reporter Sgs3-GFP for discovery of phenotypes in the late third instar stage. *Developmental biology*, 512, 35.

Suárez Freire S, et al. (2024) The exocyst complex controls multiple events in the pathway of regulated exocytosis. *eLife*, 12.

Lehne F, et al. (2023) Swip-1 promotes exocytosis of glue granules in the exocrine *Drosophila* salivary gland. *Journal of cell science*, 136(6).

Syed ZA, et al. (2022) Regulated Restructuring of Mucins During Secretory Granule Maturation In Vivo. *Proceedings of the National Academy of Sciences of the United States of America*, 119(43), e2209750119.

Li Z, et al. (2022) A salivary gland-secreted peptide regulates insect systemic growth. *Cell reports*, 38(8), 110397.

Heredia F, et al. (2021) The steroid-hormone ecdysone coordinates parallel pupariation neuromotor and morphogenetic subprograms via epidermis-to-neuron Dilp8-Lgr3 signal induction. *Nature communications*, 12(1), 3328.

Ma CJ, et al. (2021) Quantitation of Secretory Granule Size in *Drosophila* Larval Salivary Glands. *Bio-protocol*, 11(11), e4039.

Duan J, et al. (2020) Bab2 Functions as an Ecdysone-Responsive Transcriptional Repressor during *Drosophila* Development. *Cell reports*, 32(4), 107972.

Reynolds HM, et al. (2019) Tango1 coordinates the formation of endoplasmic reticulum/Golgi docking sites to mediate secretory granule formation. *The Journal of biological chemistry*, 294(51), 19498.

Ji S, et al. (2018) A molecular switch orchestrates enzyme specificity and secretory granule morphology. *Nature communications*, 9(1), 3508.

Okamoto N, et al. (2018) A Membrane Transporter Is Required for Steroid Hormone Uptake in *Drosophila*. *Developmental cell*, 47(3), 294.