Resource Summary Report

Generated by ASWG on Aug 19, 2026

w[*]; P{w[+mC]=Sgs3-GFP}3

RRID:BDSC_5885
Type: Organism

Proper Citation

RRID:BDSC_5885

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, BL5885

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

Record Creation Time: 20240911T222156+0000

Record Last Update: 20260815T191246+0000

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.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

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.

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

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