

Resource Summary Report

Generated by [dkNET](#) on Sep 2, 2026

[w\[*\]; P{Act5C-GAL4-w}E1, P{w\[+mC\]=UAS-EGFP}5a.2/CyO, P{Wee-P.ph0}2; P{w\[+mC\]=tubP-GAL80}LL9 PBac{y\[+mDint2\] w\[+mC\]=U6-GAL80.sgRNA}VK00027/TM6B, Tb\[1\]](#)

RRID:BDSC_81889

Type: Organism

Proper Citation

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Organism Information

URL: <https://n2t.net/bdsc:81889>

Proper Citation: RRID:BDSC_81889

Description: Drosophila melanogaster with name w[*]; P{Act5C-GAL4-w}E1, P{w[+mC]=UAS-EGFP}5a.2/CyO, P{Wee-P.ph0}2; P{w[+mC]=tubP-GAL80}LL9 PBac{y[+mDint2] w[+mC]=U6-GAL80.sgRNA}VK00027/TM6B, Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Expresses sgRNA targeting GAL80 under the control of U6 promoter. When crossed to a Cas9-expressing stock, gRNA-induced mutations in GAL80 result in GAL4-driven GFP expression in Cas9-positive cells (thus named positive tester). Donor: Chun Han, Cornell University

Affected Gene: GAL80, snRNA:U6:96Aa, Act5C, GAL4, alphaTub84B, Avic\GFP, UAS, unknown (enhancer trap), Tb, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 81889

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_81889, BL81889

Organism Name: w[*]; P{Act5C-GAL4-w}E1, P{w[+mC]=UAS-EGFP}5a.2/CyO, P{Wee-P.ph0}2; P{w[+mC]=tubP-GAL80}LL9 PBac{y[+mDint2] w[+mC]=U6-GAL80.sgRNA}VK00027/TM6B, Tb[1]

Record Creation Time: 20240911T223245+0000

Record Last Update: 20260829T191006+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{Act5C-GAL4-w}E1, P{w[+mC]=UAS-EGFP}5a.2/CyO, P{Wee-P.ph0}2; P{w[+mC]=tubP-GAL80}LL9 PBac{y[+mDint2] w[+mC]=U6-GAL80.sgRNA}VK00027/TM6B, Tb[1].

No alerts have been found for w[*]; P{Act5C-GAL4-w}E1, P{w[+mC]=UAS-EGFP}5a.2/CyO, P{Wee-P.ph0}2; P{w[+mC]=tubP-GAL80}LL9 PBac{y[+mDint2] w[+mC]=U6-GAL80.sgRNA}VK00027/TM6B, Tb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Chen X, et al. (2023) Tissue-specific knockout in Drosophila neuromuscular system reveals ESCRT's role in formation of synapse-derived extracellular vesicles. bioRxiv : the preprint server for biology.

Koreman GT, et al. (2021) Upgraded CRISPR/Cas9 tools for tissue-specific mutagenesis in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 118(14).