Resource Summary Report

Generated by dkNET on Sep 7, 2026

w[*]; P{w[+mC]=ChAT-GAL4.7.4}19B P{w[+mC]=UAS-GFP.S65T}Myo31DF[T2]

RRID:BDSC_6793
Type: Organism

Proper Citation

RRID:BDSC_6793

Organism Information

URL: https://n2t.net/bdsc:6793

Proper Citation: RRID:BDSC_6793

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=ChAT-GAL4.7.4}19B P{w[+mC]=UAS-GFP.S65T}Myo31DF[T2] from BDSC.

Species: Drosophila melanogaster

Notes: P{UAS-GFP.S65T}6458 may be linked to P{UAS-GFP.S65T}Myo31DF[T2], based on stock 1521 likely being a progenitor. Donor: Paul Salvaterra, City of Hope

Affected Gene: ChAT, GAL4, Avic\GFP, Myo31DF, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 6793

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_6793, BDSC:6793, BL6793

Organism Name: w[*]; P{w[+mC]=ChAT-GAL4.7.4}19B P{w[+mC]=UAS-GFP.S65T}Myo31DF[T2]

Record Creation Time: 20240911T222203+0000

Record Last Update: 20260905T135826+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=ChAT-GAL4.7.4}19B P{w[+mC]=UAS-GFP.S65T}Myo31DF[T2].

No alerts have been found for w[*]; P{w[+mC]=ChAT-GAL4.7.4}19B P{w[+mC]=UAS-GFP.S65T}Myo31DF[T2].

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Burján T, et al. (2025) Comparative Analysis of Two Autophagy-Enhancing Small Molecules (AUTEN-67 and -99) in a Drosophila Model of Spinocerebellar Ataxia Type 1. International journal of molecular sciences, 26(21).

Kautzmann S, et al. (2025) Cholinergic and Glutamatergic Axons Differentially Require Glial Support in the Drosophila PNS. Glia, 73(7), 1365.

Bervoets S, et al. (2025) dArc1 controls sugar reward valuation in Drosophila melanogaster. Current biology : CB, 35(17), 4188.

Taul AC, et al. (2025) The Effects of Overexpressing K2p Channels in Various Tissues on Physiology and Behaviors. Insects, 16(8).

Park SJ, et al. (2024) Energy Deficit is a Key Driver of Sleep Homeostasis. bioRxiv : the preprint server for biology.

Renault AD, et al. (2024) Optogenetic control of Drosophila neurons: a laboratory practical for undergraduates and outreach. Journal of microbiology & biology education, 25(3), e0008624.

Yip C, et al. (2024) Neuronal E93 is required for adaptation to adult metabolism and behavior. Molecular metabolism, 84, 101939.

Mabuchi Y, et al. (2023) Visual feedback neurons fine-tune Drosophila male courtship via GABA-mediated inhibition. Current biology : CB, 33(18), 3896.

Zhuravlev AV, et al. (2023) LIM-kinase 1 effects on memory abilities and male courtship song in Drosophila depend on the neuronal type. Vavilovskii zhurnal genetiki i selektsii, 27(3), 250.

Zhang RX, et al. (2022) dSec16 Acting in Insulin-like Peptide Producing Cells Controls Energy Homeostasis in Drosophila. Life (Basel, Switzerland), 13(1).

Bolshakova OI, et al. (2022) Fullerenols Prevent Neuron Death and Reduce Oxidative Stress in Drosophila Huntington's Disease Model. Cells, 12(1).

Davla S, et al. (2020) AANAT1 functions in astrocytes to regulate sleep homeostasis. eLife, 9.

Yoshinari Y, et al. (2020) Neuronal octopamine signaling regulates mating-induced germline stem cell increase in female Drosophila melanogaster. eLife, 9.

White D, et al. (2020) Deficits in the vesicular acetylcholine transporter alter lifespan and behavior in adult Drosophila melanogaster. Neurochemistry international, 137, 104744.

Golomidov I, et al. (2020) The neuroprotective effect of fullerenols on a model of Parkinson's disease in Drosophila melanogaster. Biochemical and biophysical research communications, 523(2), 446.

Showell SS, et al. (2020) Overexpression of the vesicular acetylcholine transporter disrupts cognitive performance and causes age-dependent locomotion decline in Drosophila. Molecular and cellular neurosciences, 105, 103483.

Castells-Nobau A, et al. (2019) Conserved regulation of neurodevelopmental processes and behavior by FoxP in Drosophila. PloS one, 14(2), e0211652.

Nevzglyadova OV, et al. (2018) Yeast red pigment modifies cloned human ?-synuclein pathogenesis in Parkinson disease models in Saccharomyces cerevisiae and Drosophila melanogaster. Neurochemistry international, 120, 172.