Resource Summary Report

Generated by T1D on Sep 18, 2026

w[*]; P{w[+mC]=UAS-Hsap\SNCA.A30P}40.1

RRID:BDSC_8147
Type: Organism

Proper Citation

RRID:BDSC_8147

Organism Information

URL: https://n2t.net/bdsc:8147

Proper Citation: RRID:BDSC_8147

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-Hsap\SNCA.A30P}40.1 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Nancy Bonini, University of Pennsylvania

Affected Gene: Hsap\SNCA, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 8147

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8147, BDSC:8147, BL8147

Organism Name: w[*]; P{w[+mC]=UAS-Hsap\SNCA.A30P}40.1

Record Creation Time: 20240911T222214+0000

Record Last Update: 20260912T203142+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-Hsap\SNCA.A30P}40.1.

No alerts have been found for w[*]; P{w[+mC]=UAS-Hsap\SNCA.A30P}40.1.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Das S, et al. (2026) Analysis of Fall and Jump Behaviors in Freely Moving Drosophila melanogaster Using 58 fps Video. Insects, 17(6).

Vos M, et al. (2025) Gut Transit Defects in Drosophila Models of Monogenic Parkinson's Disease Using a Constipation Assay. Journal of visualized experiments : JoVE(221).

Perry S, et al. (2025) Validating and Optimizing a Drosophila Larval Model of Parkinson's Synucleopathy. microPublication biology, 2025.

Xia D, et al. (2024) Overexpression of ?-synuclein in PDF neurons alters sleep-wake pattern by regulating lipid metabolism in Drosophila. Sleep.

Singh SB, et al. (2024) Pathogenic Huntingtin aggregates alter actin organization and cellular stiffness resulting in stalled clathrin-mediated endocytosis. eLife, 13.

Huang Y, et al. (2023) Gene Set Enrichment Analysis and Genetic Experiment Reveal Changes in Cell Signaling Pathways Induced by ?-Synuclein Overexpression. Biomedicines, 11(2).

Dhanushkodi NR, et al. (2023) ATP13A2 Gene Silencing in Drosophila Affects Autophagic Degradation of A53T Mutant ?-Synuclein. International journal of molecular sciences, 24(2).

Ledahawsky LM, et al. (2022) The mitochondrial protein Sideroflexin 3 (SFXN3) influences neurodegeneration pathways in vivo. The FEBS journal, 289(13), 3894.

Xue J, et al. (2022) Loss of Drosophila NUS1 results in cholesterol accumulation and Parkinson's disease-related neurodegeneration. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 36(7), e22411.

Golomidov IM, et al. (2022) Reduction of the ?-synuclein expression promotes slowing down early neuropathology development in the Drosophila model of Parkinson's disease. Journal of neurogenetics, 36(1), 1.

Rahmani Z, et al. (2022) Lamp1 Deficiency Enhances Sensitivity to ?-Synuclein and Oxidative Stress in Drosophila Models of Parkinson Disease. International journal of molecular sciences, 23(21).

Beaver M, et al. (2020) Disruption of Tip60 HAT mediated neural histone acetylation homeostasis is an early common event in neurodegenerative diseases. Scientific reports, 10(1), 18265.

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.

Abul Khair SB, et al. (2018) Silencing of Glucocerebrosidase Gene in Drosophila Enhances the Aggregation of Parkinson's Disease Associated ?-Synuclein Mutant A53T and Affects Locomotor Activity. Frontiers in neuroscience, 12, 81.

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.

Kang J, et al. (2017) An Evolutionarily Conserved Role of Presenilin in Neuronal Protection in the Aging Drosophila Brain. Genetics, 206(3), 1479.