Resource Summary Report

Generated by NIF on Sep 1, 2026

w[*]; sna[Sco]/CyO; P{w[+mC]=UAS-Piezo.GFP}IIIA/TM6B, Tb[1]

RRID:BDSC_58773
Type: Organism

Proper Citation

RRID:BDSC_58773

Organism Information

URL: https://n2t.net/bdsc:58773

Proper Citation: RRID:BDSC_58773

Description: Drosophila melanogaster with name w[*]; sna[Sco]/CyO; P{w[+mC]=UAS-Piezo.GFP}IIIA/TM6B, Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Abhishek Chadha & Boaz Cook, Scripps Research Institute

Affected Gene: Piezo, UAS, sna, Tb, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 58773

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_58773, BL58773

Organism Name: w[*]; sna[Sco]/CyO; P{w[+mC]=UAS-Piezo.GFP}IIIA/TM6B, Tb[1]

Record Creation Time: 20240911T222906+0000

Record Last Update: 20260829T190503+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; sna[Sco]/CyO; P{w[+mC]=UAS-Piezo.GFP}IIIA/TM6B, Tb[1].

No alerts have been found for w[*]; sna[Sco]/CyO; P{w[+mC]=UAS-Piezo.GFP}IIIA/TM6B, Tb[1].

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Hazelton-Cavill P, et al. (2026) Elevated Piezo levels cause structural and functional alterations in Drosophila garland nephrocytes. Life science alliance, 9(4).

Zhao Y, et al. (2025) Piezo, Nephrocyte Function, and Slit Diaphragm Maintenance in Drosophila. Journal of the American Society of Nephrology : JASN, 36(3), 393.

Delaney M, et al. (2024) Actin Cytoskeleton and Integrin Components Are Interdependent for Slit Diaphragm Maintenance in Drosophila Nephrocytes. Cells, 13(16).

Yamanouchi HM, et al. (2023) Piezo-mediated mechanosensation contributes to stabilizing copulation posture and reproductive success in Drosophila males. iScience, 26(5), 106617.

Min S, et al. (2021) Control of feeding by Piezo-mediated gut mechanosensation in Drosophila. eLife, 10.

Oh SM, et al. (2021) Multisensory interactions regulate feeding behavior in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 118(7).

Oh Y, et al. (2021) Periphery signals generated by Piezo-mediated stomach stretch and Neuromedin-mediated glucose load regulate the Drosophila brain nutrient sensor. Neuron, 109(12), 1979.

Feuillette S, et al. (2020) A Connected Network of Interacting Proteins Is Involved in Human-Tau Toxicity in Drosophila. Frontiers in neuroscience, 14, 68.

Lee J, et al. (2020) Dissemination of RasV12-transformed cells requires the mechanosensitive channel Piezo. Nature communications, 11(1), 3568.

Wang P, et al. (2020) Visceral Mechano-sensing Neurons Control Drosophila Feeding by Using Piezo as a Sensor. Neuron, 108(4), 640.

Lopez-Bellido R, et al. (2019) Growth Factor Signaling Regulates Mechanical Nociception in Flies and Vertebrates. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(30), 6012.

Shao L, et al. (2019) A Neural Circuit Encoding the Experience of Copulation in Female Drosophila. Neuron, 102(5), 1025.

He L, et al. (2018) Mechanical regulation of stem-cell differentiation by the stretch-activated Piezo channel. Nature, 555(7694), 103.