

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

[P{w\[+mC\]=UAS-Itpr.V}1, w\[*\]](#)

RRID:BDSC_30742

Type: Organism

Proper Citation

RRID:BDSC_30742

Organism Information

URL: <https://n2t.net/bdsc:30742>

Proper Citation: RRID:BDSC_30742

Description: Drosophila melanogaster with name P{w[+mC]=UAS-Itpr.V}1, w[*] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Gaiti Hasan, University of Agricultural Sciences, Bangalore

Affected Gene: Itpr, UAS, w

Genomic Alteration: Chromosome 1

Catalog Number: 30742

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_30742, BDSC:30742, BL30742

Organism Name: P{w[+mC]=UAS-Itpr.V}1, w[*]

Record Creation Time: 20240911T222517+0000

Record Last Update: 20260912T203550+0000

Ratings and Alerts

No rating or validation information has been found for P{w[+mC]=UAS-Itpr.V}1, w[*].

No alerts have been found for $P\{w[+mC]=UAS-ltpr.V\}1, w[*]$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Dileep M, et al. (2026) Synergism of IP3R and Parkin mutants identifies mitochondrial stress as an early feature of Parkinson's disease. *Disease models & mechanisms*, 19(1).

Zhang Y, et al. (2025) Restoring calcium crosstalk between ER and mitochondria promotes intestinal stem cell rejuvenation through autophagy in aged Drosophila. *Nature communications*, 16(1), 4909.

Ham SJ, et al. (2025) Reciprocal rescue of Wolfram syndrome by two causative genes. *EMBO reports*, 26(9), 2459.

Delgado KC, et al. (2025) Visual input drives diverse ER calcium signals in neurons in vivo. *bioRxiv : the preprint server for biology*.

Ma P, et al. (2024) Gut microbiota metabolite tyramine ameliorates high-fat diet-induced insulin resistance via increased Ca^{2+} signaling. *The EMBO journal*, 43(16), 3466.

Ham SJ, et al. (2023) PINK1 and Parkin regulate IP3R-mediated ER calcium release. *Nature communications*, 14(1), 5202.

Hossain MS, et al. (2023) Gbb glutathionylation promotes its proteasome-mediated degradation to inhibit synapse growth. *The Journal of cell biology*, 222(9).

Shao L, et al. (2022) Upregulation of IP3 receptor mediates APP-induced defects in synaptic downscaling and sleep homeostasis. *Cell reports*, 38(13), 110594.

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

Megha , et al. (2019) ER- Ca^{2+} sensor STIM regulates neuropeptides required for development under nutrient restriction in Drosophila. *PloS one*, 14(7), e0219719.

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