

Resource Summary Report

Generated by [dkNET](#) on Aug 7, 2026

[y\[1\] w\[*\] Mi{y\[+mDint2\]=MIC}Ir7g\[MI06687\]](#)

RRID:BDSC_42420

Type: Organism

Proper Citation

RRID:BDSC_42420

Organism Information

URL: <https://n2t.net/bdsc:42420>

Proper Citation: RRID:BDSC_42420

Description: Drosophila melanogaster with name y[1] w[*] Mi{y[+mDint2]=MIC}Ir7g[MI06687] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Gene Disruption Project; Donor's Source: Hugo J. Bellen, Baylor College of Medicine

Affected Gene: Ir7g, w, y

Genomic Alteration: Chromosome 1

Catalog Number: 42420

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_42420, BL42420

Organism Name: y[1] w[*] Mi{y[+mDint2]=MIC}Ir7g[MI06687]

Record Creation Time: 20240911T222703+0000

Record Last Update: 20260801T195317+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]
Mi{y[+mDint2]=MIC}Ir7g[MI06687].

No alerts have been found for y[1] w[*] Mi{y[+mDint2]=MIC}Ir7g[MI06687].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Pradhan RN, et al. (2025) Ionotropic receptors mediate arachidic acid perception and food avoidance behavior in *Drosophila melanogaster*. *Molecules and cells*, 48(12), 100290.

Nhuchhen Pradhan R, et al. (2025) Cholesterol taste avoidance in *Drosophila melanogaster*. *eLife*, 14.

Sang J, et al. (2024) A single pair of pharyngeal neurons functions as a commander to reject high salt in *Drosophila melanogaster*. *eLife*, 12.

Shrestha B, et al. (2024) Pharyngeal neuronal mechanisms governing sour taste perception in *Drosophila melanogaster*. *eLife*, 13.

Pandey P, et al. (2024) Avoiding alkaline taste through ionotropic receptors. *iScience*, 27(6), 110087.

Sang J, et al. (2023) A single pair of pharyngeal neurons functions as a commander to reject high salt in *Drosophila melanogaster*. *bioRxiv : the preprint server for biology*.

Pradhan RN, et al. (2023) Molecular Basis of Hexanoic Acid Taste in *Drosophila melanogaster*. *Molecules and cells*, 46(7), 451.

Shrestha B, et al. (2023) The taste of vitamin C in *Drosophila*. *EMBO reports*, e56319.

Aryal B, et al. (2022) Molecular and neuronal mechanisms for amino acid taste perception in the *Drosophila* labellum. *Current biology : CB*, 32(6), 1376.

Dhakal S, et al. (2021) Ionotropic receptors mediate nitrogenous waste avoidance in *Drosophila melanogaster*. *Communications biology*, 4(1), 1281.

Shrestha B, et al. (2021) Mechanisms of Carboxylic Acid Attraction in *Drosophila melanogaster*. *Molecules and cells*, 44(12), 900.

Rimal S, et al. (2020) Cucurbitacin B Activates Bitter-Sensing Gustatory Receptor Neurons via Gustatory Receptor 33a in *Drosophila melanogaster*. *Molecules and cells*,

43(6), 530.