

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

TI{GAL4}5-HT7[Gal4]

RRID:BDSC_86279

Type: Organism

Proper Citation

RRID:BDSC_86279

Organism Information

URL: <https://n2t.net/bdsc:86279>

Proper Citation: RRID:BDSC_86279

Description: Drosophila melanogaster with name TI{GAL4}5-HT7[Gal4] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Bowen Deng, National Institute of Biological Sciences & Paul Garrity, Brandeis University; Donor's Source: Yi Rao, National Institute of Biological Sciences

Affected Gene: 5-HT7, GAL4

Genomic Alteration: Chromosome 3

Catalog Number: 86279

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_86279, BL86279

Organism Name: TI{GAL4}5-HT7[Gal4]

Record Creation Time: 20240911T223328+0000

Record Last Update: 20260815T192712+0000

Ratings and Alerts

No rating or validation information has been found for TI{GAL4}5-HT7[Gal4].

No alerts have been found for TI{GAL4}5-HT7[Gal4].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Mallick A, et al. (2024) Serotonin acts through multiple cellular targets during an olfactory critical period. iScience, 27(11), 111083.

Mallick A, et al. (2024) Serotonin acts through multiple cellular targets during an olfactory critical period. bioRxiv : the preprint server for biology.

Yan W, et al. (2023) Subtype-Specific Roles of Ellipsoid Body Ring Neurons in Sleep Regulation in Drosophila. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(5), 764.

Gowda SBM, et al. (2023) Serotonin distinctly controls behavioral states in restrained and freely moving Drosophila. iScience, 26(1), 105886.

Yao Z, et al. (2022) Serotonergic neurons translate taste detection into internal nutrient regulation. Neuron, 110(6), 1036.

Vijayan V, et al. (2022) An internal expectation guides Drosophila egg-laying decisions. Science advances, 8(43), eabn3852.