

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 10, 2025

STOCK Tg(Opn4-EGFP)ND100Gsat/Mmucd

RRID:MMRRC_033064-UCD

Type: Organism

Proper Citation

RRID:MMRRC_033064-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=33064

Proper Citation: RRID:MMRRC_033064-UCD

Description: Mus musculus with name STOCK Tg(Opn4-EGFP)ND100Gsat/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Neurobiology, Research Tools; Mutation Type: Transgenic ; Collection: GENSAT

Affected Gene: EGFP|Opn4|

Catalog Number: 033064-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_33064-UCD, MMRRC_033064, MMRRC_3364

Organism Name: STOCK Tg(Opn4-EGFP)ND100Gsat/Mmucd

Record Creation Time: 20230308T055131+0000

Record Last Update: 20250510T105410+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Opn4-EGFP)ND100Gsat/Mmucd.

No alerts have been found for STOCK Tg(Opn4-EGFP)ND100Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Bergum N, et al. (2022) μ -Opioid Receptors Expressed by Intrinsically Photosensitive Retinal Ganglion Cells Contribute to Morphine-Induced Behavioral Sensitization. International journal of molecular sciences, 23(24).

Ishibashi M, et al. (2022) Analysis of rod/cone gap junctions from the reconstruction of mouse photoreceptor terminals. eLife, 11.

Lee S, et al. (2021) Selective glycinergic input from vGluT3 amacrine cells confers a suppressed-by-contrast trigger feature in a subtype of M1 ipRGCs in the mouse retina. The Journal of physiology, 599(22), 5047.

Matynia A, et al. (2016) Peripheral Sensory Neurons Expressing Melanopsin Respond to Light. Frontiers in neural circuits, 10, 60.