

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

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: 20260919T133850+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 5 mentions in open access literature.

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

Delpech C, et al. (2024) Axon guidance during mouse central nervous system regeneration is required for specific brain innervation. *Developmental cell*, 59(24), 3213.

Maloney R, et al. (2024) Efficacy and specificity of melanopsin reporters for retinal ganglion cells. *The Journal of comparative neurology*, 532(2), e25591.

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.

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