

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 2026

[Opn4^{tm1.1Yau}/Opn4^{tm1.1Yau}](#)

RRID:MGI:5520170

Type: Organism

Proper Citation

RRID:MGI:5520170

Organism Information

URL:

Proper Citation: RRID:MGI:5520170

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: no abnormal phenotype detected

Affected Gene: Opn4

Genomic Alteration: tm1.1Yau

Catalog Number: 5520170

Background: involves: 129 * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Organism Name: Opn4^{tm1.1Yau}/Opn4^{tm1.1Yau}

Record Creation Time: 20240120T190105+0000

Record Last Update: 20240130T201717+0000

Ratings and Alerts

No rating or validation information has been found for $\text{Opn4}^{\text{tm1.1Yau}}/\text{Opn4}^{\text{tm1.1Yau}}$.

No alerts have been found for $\text{Opn4}^{\text{tm1.1Yau}}/\text{Opn4}^{\text{tm1.1Yau}}$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Lin CI, et al. (2019) Blue Light Promotes Neurite Outgrowth of Retinal Explants in Postnatal ChR2 Mice. eNeuro, 6(4).

Rupp AC, et al. (2019) Distinct ipRGC subpopulations mediate light's acute and circadian effects on body temperature and sleep. eLife, 8.