

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

[Opn4^{tm1Yau}/Opn4^{tm2\(DTA\)Yau}](#)

RRID:MGI:3797748

Type: Organism

Proper Citation

RRID:MGI:3797748

Organism Information

URL:

Proper Citation: RRID:MGI:3797748

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

Species: Mus musculus

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

Phenotype: abnormal retinal ganglion cell morphology, abnormal suprachiasmatic nucleus morphology

Affected Gene: Opn4

Genomic Alteration: tm1Yau, tm2(DTA)Yau

Catalog Number: 3797748

Background: involves: 129 * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:18432195](#)

Organism Name: Opn4^{tm1Yau}/Opn4^{tm2(DTA)Yau}

Record Creation Time: 20240120T190431+0000

Record Last Update: 20240130T201914+0000

Ratings and Alerts

No rating or validation information has been found for *Opn4^{tm1Yau}/Opn4^{tm2(DTA)}Yau*.

No alerts have been found for *Opn4^{tm1Yau}/Opn4^{tm2(DTA)}Yau*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Munteanu T, et al. (2018) Light-dependent pathways for dopaminergic amacrine cell development and function. *eLife*, 7.