

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

[Cnga3^{tm1Biel}/Cnga3^{tm1Biel}](#); [Gnat1^{tm1Clma}/Gnat1^{tm1Clma}](#); [Opn4^{tm1Yau}/Opn4^{tm1Yau}](#)

RRID:MGI:3521969

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:3521969

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

Species: Mus musculus

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

Phenotype: vision/eye phenotype, shortened circadian behavior period, abnormal circadian behavior entrainment, miotic pupils, abnormal pupillary reflex

Affected Gene: Gnat1, Cnga3, Opn4

Genomic Alteration: tm1Biel, tm1Yau, tm1Clma

Catalog Number: 3521969

Background: involves: 129 * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:12808468](#)

Organism Name: Cnga3^{tm1Biel}/Cnga3^{tm1Biel}; Gnat1^{tm1Clma}/Gnat1^{tm1Clma}; Opn4^{tm1Yau}/Opn4^{tm1Yau}

Record Creation Time: 20240120T190643+0000

Ratings and Alerts

No rating or validation information has been found for Cnga3^{tm1Biel}/Cnga3^{tm1Biel}; Gnat1^{tm1Clma}/Gnat1^{tm1Clma}; Opn4^{tm1Yau}/Opn4^{tm1Yau}.

No alerts have been found for Cnga3^{tm1Biel}/Cnga3^{tm1Biel}; Gnat1^{tm1Clma}/Gnat1^{tm1Clma}; Opn4^{tm1Yau}/Opn4^{tm1Yau}.

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](#) .

Cheng MY, et al. (2005) Regulation of prokineticin 2 expression by light and the circadian clock. BMC neuroscience, 6, 17.