

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

[Pde6b^{rd1}/Pde6b^{rd1}; Opn4^{tm1Skay}/Opn4^{tm1Skay}](#)

RRID:MGI:3803117

Type: Organism

Proper Citation

RRID:MGI:3803117

Organism Information

URL:

Proper Citation: RRID:MGI:3803117

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

Species: Mus musculus

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

Phenotype: impaired pupillary reflex, abnormal circadian behavior entrainment

Affected Gene: Pde6b, Opn4

Genomic Alteration: tm1Skay, rd1

Catalog Number: 3803117

Background: involves: 129S1/SvImJ * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:18545654](#)

Organism Name: Pde6b^{rd1}/Pde6b^{rd1}; Opn4^{tm1Skay}/Opn4^{tm1Skay}

Record Creation Time: 20240120T190425+0000

Record Last Update: 20240130T201911+0000

Ratings and Alerts

No rating or validation information has been found for Pde6b^{rd1}/Pde6b^{rd1}; Opn4^{tm1Skay}/Opn4^{tm1Skay}.

No alerts have been found for Pde6b^{rd1}/Pde6b^{rd1}; Opn4^{tm1Skay}/Opn4^{tm1Skay}.

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](#) .

Mure LS, et al. (2016) Melanopsin-Encoded Response Properties of Intrinsically Photosensitive Retinal Ganglion Cells. Neuron, 90(5), 1016.