

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

[Opn4^{tm1.1\(cre\)Saha}/Opn4⁺; Pou4f2^{tm2.1Nat}/Pou4f2⁺](#)

RRID:MGI:5285910

Type: Organism

Proper Citation

RRID:MGI:5285910

Organism Information

URL:

Proper Citation: RRID:MGI:5285910

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

Species: Mus musculus

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

Phenotype: abnormal innervation, abnormal suprachiasmatic nucleus morphology

Affected Gene: Pou4f2, Opn4

Genomic Alteration: tm2.1Nat, tm1.1(cre)Saha

Catalog Number: 5285910

Background: involves: 129 * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21765429](#)

Organism Name: Opn4^{tm1.1(cre)Saha}/Opn4⁺; Pou4f2^{tm2.1Nat}/Pou4f2⁺

Record Creation Time: 20240120T190211+0000

Record Last Update: 20240130T201756+0000

Ratings and Alerts

No rating or validation information has been found for $\text{Opn4}^{\text{tm1.1}(\text{cre})\text{Saha}/\text{Opn4}^+; \text{Pou4f2}^{\text{tm2.1Nat}}/\text{Pou4f2}^+$.

No alerts have been found for $\text{Opn4}^{\text{tm1.1}(\text{cre})\text{Saha}/\text{Opn4}^+; \text{Pou4f2}^{\text{tm2.1Nat}}/\text{Pou4f2}^+$.

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 [NIF](#).

Contreras E, et al. (2023) Melanopsin activates divergent phototransduction pathways in intrinsically photosensitive retinal ganglion cell subtypes. *eLife*, 12.

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