

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

STOCK Tg(OPN1LW-cre)4Yzl/J

RRID:IMSR_JAX:032911

Type: Organism

Proper Citation

RRID:IMSR_JAX:032911

Organism Information

URL: <https://www.jax.org/strain/032911>

Proper Citation: RRID:IMSR_JAX:032911

Description: Mus musculus with name STOCK Tg(OPN1LW-cre)4Yzl/J from IMSR.

Species: Mus musculus

Synonyms: FVB/N-Tg(OPN1LW-cre)4Yzl/J

Notes: gene symbol note: transgene insertion 4; Yun-Zheng Le; mutant stock: Tg(OPN1LW-cre)4Yzl

Affected Gene: transgene insertion 4; Yun-Zheng Le

Genomic Alteration: transgene insertion 4; Yun-Zheng Le

Catalog Number: JAX:032911

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(OPN1LW-cre)4Yzl/J

Record Creation Time: 20250513T053832+0000

Record Last Update: 20260919T055015+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(OPN1LW-cre)4Yzl/J.

No alerts have been found for STOCK Tg(OPN1LW-cre)4Yzl/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Housset M, et al. (2024) Identification of a non-canonical planar cell polarity pathway triggered by light in the developing mouse retina. *Developmental cell*.

Fitzpatrick MJ, et al. (2024) A pupillary contrast response in mice and humans: Neural mechanisms and visual functions. *Neuron*, 112(14), 2404.

Lankford CK, et al. (2022) Cone-Driven Retinal Responses Are Shaped by Rod But Not Cone HCN1. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(21), 4231.

Shen N, et al. (2020) Homeostatic Plasticity Shapes the Retinal Response to Photoreceptor Degeneration. *Current biology : CB*, 30(10), 1916.

Sasaki Y, et al. (2020) SARM1 depletion rescues NMNAT1-dependent photoreceptor cell death and retinal degeneration. *eLife*, 9.