

# Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

## C57BL/6J-Tg(Nrl-cre)1Smgc/J

RRID:IMSR\_JAX:028941

Type: Organism

---

### Proper Citation

RRID:IMSR\_JAX:028941

---

### Organism Information

**URL:** <https://www.jax.org/strain/028941>

**Proper Citation:** RRID:IMSR\_JAX:028941

**Description:** Mus musculus with name C57BL/6J-Tg(Nrl-cre)1Smgc/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: transgene insertion 1; Shiming Chen|neural retina leucine zipper gene|; coisogenic strain|mutant strain: Tg(Nrl-cre)1Smgc|Nrl|

**Affected Gene:** transgene insertion 1; Shiming Chen|neural retina leucine zipper gene|

**Genomic Alteration:** transgene insertion 1; Shiming Chen

**Catalog Number:** JAX:028941

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** C57BL/6J-Tg(Nrl-cre)1Smgc/J

**Record Creation Time:** 20250513T053807+0000

**Record Last Update:** 20260919T054951+0000

---

### Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Tg(Nrl-cre)1Smgc/J.

No alerts have been found for C57BL/6J-Tg(Nrl-cre)1Smgc/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 [kravitz2](#) .

Shen N, et al. (2026) A genome-wide in vivo CRISPR screen identifies neuroprotective strategies in the mouse and human retina. Neuron.

Shen N, et al. (2025) A genome-wide in vivo CRISPR screen identifies neuroprotective strategies in the mouse and human retina. bioRxiv : the preprint server for biology.

Aghaizu ND, et al. (2021) Repeated nuclear translocations underlie photoreceptor positioning and lamination of the outer nuclear layer in the mammalian retina. Cell reports, 36(5), 109461.

Kalargyrou AA, et al. (2021) Nanotube-like processes facilitate material transfer between photoreceptors. EMBO reports, 22(11), e53732.

Sundar J, et al. (2021) The Musashi proteins MSI1 and MSI2 are required for photoreceptor morphogenesis and vision in mice. The Journal of biological chemistry, 296, 100048.