

Resource Summary Report

Generated by [dkNET](#) on Aug 12, 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: 20260808T051005+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 [dkNET](#) .

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.