

Resource Summary Report

Generated by [kravitz2](#) on Sep 6, 2026

NOD.Cg-Prkdc^{scid} Il2rg Tg(CMV-IL3.CSF2.KITLG)1Eav Tg(CSF1)3Sz/J

RRID:IMSR_JAX:028657

Type: Organism

Proper Citation

RRID:IMSR_JAX:028657

Organism Information

URL: <https://www.jax.org/strain/028657>

Proper Citation: RRID:IMSR_JAX:028657

Description: Mus musculus with name NOD.Cg-Prkdc^{scid} Il2rg Tg(CMV-IL3.CSF2.KITLG)1Eav Tg(CSF1)3Sz/J from IMSR.

Species: Mus musculus

Synonyms: NSG-Quad

Notes: gene symbol note: KIT ligand|interleukin 3|colony stimulating factor 2|protein kinase; DNA activated; catalytic polypeptide|transgene insertion 1; CJ Eaves|cytomegalovirus|transgene insertion 3; Leonard Shultz|interleukin 2 receptor; gamma chain|colony stimulating factor 1; mutant strain|congenic strain: KITLG|IL3|CSF2|Prkdc|Tg(CMV-IL3;CSF2;KITLG)1Eav|CMV|Tg(CSF1)3Sz|Il2rg|CSF1

Affected Gene: KIT ligand|interleukin 3|colony stimulating factor 2|protein kinase; DNA activated; catalytic polypeptide|transgene insertion 1; CJ Eaves|cytomegalovirus|transgene insertion 3; Leonard Shultz|interleukin 2 receptor; gamma chain|colony stimulating factor 1

Genomic Alteration: transgene insertion 1; CJ Eaves|severe combined immunodeficiency|transgene insertion 3; Leonard Shultz|targeted mutation 1; Warren J Leonard

Catalog Number: JAX:028657

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NOD.Cg-Prkdc^{scid} Il2rg Tg(CMV-IL3.CSF2.KITLG)1Eav Tg(CSF1)3Sz/J

Record Creation Time: 20250513T053805+0000

Record Last Update: 20260905T044542+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(CMV-IL3.CSF2.KITLG)1Eav Tg(CSF1)3Sz/J.

No alerts have been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(CMV-IL3.CSF2.KITLG)1Eav Tg(CSF1)3Sz/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Chen A, et al. (2025) Comparison of NSG-Quad and MISTRG-6 humanized mice for modeling circulating and tumor-infiltrating human myeloid cells. Molecular therapy. Methods & clinical development, 33(2), 101487.

Stocks H, et al. (2024) Development of human innate immune responses in a humanized mouse model expressing four human myelopoiesis transgenes. Frontiers in immunology, 15, 1419117.