

Resource Summary Report

Generated by T1D on Sep 6, 2026

NOD.Cg-Prkdc^{scid} Il2rg Tg(IL15)1Sz/SzJ

RRID:IMSR_JAX:030890

Type: Organism

Proper Citation

RRID:IMSR_JAX:030890

Organism Information

URL: <https://www.jax.org/strain/030890>

Proper Citation: RRID:IMSR_JAX:030890

Description: Mus musculus with name NOD.Cg-Prkdc^{scid} Il2rg Tg(IL15)1Sz/SzJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: protein kinase; DNA activated; catalytic polypeptide|interleukin 2 receptor; gamma chain|transgene insertion 1; Leonard Shultz; mutant strain|congenic strain: Prkdc|Il2rg|Tg(IL15)1Sz

Affected Gene: protein kinase; DNA activated; catalytic polypeptide|interleukin 2 receptor; gamma chain|transgene insertion 1; Leonard Shultz

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

Catalog Number: JAX:030890

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NOD.Cg-Prkdc^{scid} Il2rg Tg(IL15)1Sz/SzJ

Record Creation Time: 20250513T053818+0000

Record Last Update: 20260905T044554+0000

Ratings and Alerts

- Used for humanized mouse by the Human Islet Research Network community.
Contact(s): [Leonard Shultz](#), [Michael Brehm](#), [Dale Greiner](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(IL15)1Sz/SzJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Jahnz H, et al. (2026) Development of a recombinant adeno-associated virus vector for human T lymphocyte- and natural killer cell-targeted gene therapy. bioRxiv : the preprint server for biology.

Sajadi MM, et al. (2025) A comprehensive engineering strategy improves potency and manufacturability of a near pan-neutralizing antibody against HIV. Structure (London, England : 1993), 33(7), 1150.

Hammer Q, et al. (2024) Genetic ablation of adhesion ligands mitigates rejection of allogeneic cellular immunotherapies. Cell stem cell, 31(9), 1376.

Schober R, et al. (2023) Multimeric immunotherapeutic complexes activating natural killer cells towards HIV-1 cure. Journal of translational medicine, 21(1), 791.

Ritacco C, et al. (2023) Post-transplant cyclophosphamide prevents xenogeneic graft-versus-host disease while depleting proliferating regulatory T cells. iScience, 26(3), 106085.

Thaker YR, et al. (2022) A Novel Affinity Engineered Anti-CD47 Antibody With Improved Therapeutic Index That Preserves Erythrocytes and Normal Immune Cells. Frontiers in oncology, 12, 884196.

Baer C, et al. (2022) CCL22 mutations drive natural killer cell lymphoproliferative disease by deregulating microenvironmental crosstalk. Nature genetics, 54(5), 637.

Prévost J, et al. (2022) HIV-1 Vpu restricts Fc-mediated effector functions in vivo. Cell reports, 41(6), 111624.