

Resource Summary Report

Generated by [ASWG](#) on Jul 29, 2026

NOD.Cg-Prkdc^{scid} H2-Ab1 Il2rg/SzJ

RRID:IMSR_JAX:021885

Type: Organism

Proper Citation

RRID:IMSR_JAX:021885

Organism Information

URL: <https://www.jax.org/strain/021885>

Proper Citation: RRID:IMSR_JAX:021885

Description: Mus musculus with name NOD.Cg-Prkdc^{scid} H2-Ab1 Il2rg/SzJ from IMSR.

Species: Mus musculus

Synonyms: NOD.Cg-Prkdc H2-Ab1 Il2rg/SzJ. NSG-Ab. NOD.Cg-Prkdc H2-Ab1 Il2rg/SzJ

Notes: gene symbol note: protein kinase; DNA activated; catalytic polypeptide|interleukin 2 receptor; gamma chain|histocompatibility 2; class II antigen A; beta 1; mutant strain|major histocompatibility congenic|congenic strain: Prkdc|Il2rg|H2-Ab1

Affected Gene: protein kinase; DNA activated; catalytic polypeptide|interleukin 2 receptor; gamma chain|histocompatibility 2; class II antigen A; beta 1

Genomic Alteration: severe combined immunodeficiency|targeted mutation 1; Warren J Leonard|targeted mutation 1; Christophe Benoist and Diane Mathis

Catalog Number: JAX:021885

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: NOD.Cg-Prkdc^{scid} H2-Ab1 Il2rg/SzJ

Record Creation Time: 20250513T053744+0000

Record Last Update: 20260725T044451+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-Prkdc^{scid} H2-Ab1 Il2rg/SzJ.

No alerts have been found for NOD.Cg-Prkdc^{scid} H2-Ab1 Il2rg/SzJ.

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 [ASWG](#).

Füchsl F, et al. (2025) Tempered signal strength via low-dose MEK inhibition optimizes therapeutic performance of engineered T cells. *Journal for immunotherapy of cancer*, 13(12).

Cordova RA, et al. (2024) Coordination between the eIF2 kinase GCN2 and p53 signaling supports purine metabolism and the progression of prostate cancer. *Science signaling*, 17(864), eadp1375.

Füchsl F, et al. (2024) High-resolution profile of neoantigen-specific TCR activation links moderate stimulation to increased resilience of engineered TCR-T cells. *Nature communications*, 15(1), 10520.

Ku AT, et al. (2023) Short-term PI3K Inhibition Prevents Breast Cancer in Preclinical Models. *Cancer prevention research (Philadelphia, Pa.)*, 16(2), 65.

Cordova RA, et al. (2022) GCN2 eIF2 kinase promotes prostate cancer by maintaining amino acid homeostasis. *eLife*, 11.