

Resource Summary Report

Generated by [SPARC SAWG](#) 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 [SPARC SAWG](#) .

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.