

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

[NOD.Cg-Prkdc^{scid} Il2rg/SzJArc](#)

RRID:IMSR_ARC:NSG

Type: Organism

Proper Citation

RRID:IMSR_ARC:NSG

Organism Information

URL:

Proper Citation: RRID:IMSR_ARC:NSG

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

Species: Mus musculus

Notes: gene symbol note: protein kinase; DNA activated; catalytic polypeptide|interleukin 2 receptor; gamma chain; mutant strain|congenic strain: Prkdc|Il2rg

Affected Gene: protein kinase; DNA activated; catalytic polypeptide|interleukin 2 receptor; gamma chain

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

Catalog Number: ARC:NSG

Database: Animal Resources Centre

Database Abbreviation: ARC

Availability: live

Organism Name: NOD.Cg-Prkdc^{scid} Il2rg/SzJArc

Record Creation Time: 20250513T062204+0000

Record Last Update: 20260725T052929+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Animal Resources Centre

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Conti A, et al. (2025) Senescence and inflammation are unintended adverse consequences of CRISPR-Cas9/AAV6-mediated gene editing in hematopoietic stem cells. Cell reports. Medicine, 6(6), 102157.

Hollands CG, et al. (2024) Identification of cells of leukemic stem cell origin with non-canonical regenerative properties. Cell reports. Medicine, 5(4), 101485.

Dhital B, et al. (2023) Harnessing transcriptionally driven chromosomal instability adaptation to target therapy-refractory lethal prostate cancer. Cell reports. Medicine, 4(2), 100937.

Boyd AL, et al. (2023) Leukemic progenitor compartment serves as a prognostic measure of cancer stemness in patients with acute myeloid leukemia. Cell reports. Medicine, 4(7), 101108.

Ji C, et al. (2022) The kinase activity of integrin-linked kinase regulates cellular senescence in gastric cancer. Cell death & disease, 13(7), 577.

Martin MJ, et al. (2022) Pharmaceutical Reactivation of Attenuated Apoptotic Pathways Leads to Elimination of Osimertinib Drug-Tolerant Cells. Cancer research communications, 2(10), 1312.

Orth MF, et al. (2022) Systematic multi-omics cell line profiling uncovers principles of Ewing sarcoma fusion oncogene-mediated gene regulation. Cell reports, 41(10), 111761.

Lötscher J, et al. (2022) Magnesium sensing via LFA-1 regulates CD8+ T cell effector function. Cell, 185(4), 585.

Ferrari S, et al. (2022) Choice of template delivery mitigates the genotoxic risk and adverse impact of editing in human hematopoietic stem cells. Cell stem cell, 29(10), 1428.

Reid JC, et al. (2021) Human pluripotent stem cells identify molecular targets of trisomy 12 in chronic lymphocytic leukemia patients. Cell reports, 34(11), 108845.

Chen J, et al. (2021) Targeted Therapy of TERT-Rearranged Neuroblastoma with BET Bromodomain Inhibitor and Proteasome Inhibitor Combination Therapy. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 27(5), 1438.

Aslostovar L, et al. (2021) Abnormal dopamine receptor signaling allows selective therapeutic targeting of neoplastic progenitors in AML patients. *Cell reports. Medicine*, 2(2), 100202.

Shim J, et al. (2020) YAP-Mediated Repression of HRK Regulates Tumor Growth, Therapy Response, and Survival Under Tumor Environmental Stress in Neuroblastoma. *Cancer research*, 80(21), 4741.

Chen PH, et al. (2019) Metabolic Diversity in Human Non-Small Cell Lung Cancer Cells. *Molecular cell*, 76(5), 838.

Schiroli G, et al. (2019) Precise Gene Editing Preserves Hematopoietic Stem Cell Function following Transient p53-Mediated DNA Damage Response. *Cell stem cell*, 24(4), 551.

Huang F, et al. (2018) Inosine Monophosphate Dehydrogenase Dependence in a Subset of Small Cell Lung Cancers. *Cell metabolism*, 28(3), 369.

Petrillo C, et al. (2018) Cyclosporine H Overcomes Innate Immune Restrictions to Improve Lentiviral Transduction and Gene Editing In Human Hematopoietic Stem Cells. *Cell stem cell*, 23(6), 820.

Blatt K, et al. (2018) Phenotyping and Target Expression Profiling of CD34+/CD38- and CD34+/CD38+ Stem- and Progenitor cells in Acute Lymphoblastic Leukemia. *Neoplasia (New York, N.Y.)*, 20(6), 632.

Boyd AL, et al. (2018) Identification of Chemotherapy-Induced Leukemic-Regenerating Cells Reveals a Transient Vulnerability of Human AML Recurrence. *Cancer cell*, 34(3), 483.

Behrmann L, et al. (2017) Efficient Generation of Multi-gene Knockout Cell Lines and Patient-derived Xenografts Using Multi-colored Lenti-CRISPR-Cas9. *Bio-protocol*, 7(7), e2222.