

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

NOD.Cg-B2m^{tm1Unc} Prkdc H2 Il2rg/SzJ

RRID:IMSR_JAX:030547

Type: Organism

Proper Citation

RRID:IMSR_JAX:030547

Organism Information

URL: <https://www.jax.org/strain/030547>

Proper Citation: RRID:IMSR_JAX:030547

Description: Mus musculus with name NOD.Cg-B2m^{tm1Unc} Prkdc H2 Il2rg/SzJ from IMSR.

Species: Mus musculus

Synonyms: NSG-B2M (IA IE)

Notes: gene symbol note: interleukin 2 receptor; gamma chain|beta-2 microglobulin|protein kinase; DNA activated; catalytic polypeptide|histocompatibility-2; MHC; mutant strain|congenic strain: Il2rg|B2m|Prkdc|H2

Affected Gene: interleukin 2 receptor; gamma chain|beta-2 microglobulin|protein kinase; DNA activated; catalytic polypeptide|histocompatibility-2; MHC

Genomic Alteration: targeted mutation 1; Warren J Leonard|targeted mutation 1; University of North Carolina|severe combined immunodeficiency|targeted deletion; H2 complex

Catalog Number: JAX:030547

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: NOD.Cg-B2m^{tm1Unc} Prkdc H2 Il2rg/SzJ

Record Creation Time: 20250513T053816+0000

Record Last Update: 20260808T051013+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-B2m^{tm1Unc} Prkdc H2 Il2rg /SzJ.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

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 [SPARC SAWG](#) .

Xue G, et al. (2024) Clinical drug screening reveals clofazimine potentiates the efficacy while reducing the toxicity of anti-PD-1 and CTLA-4 immunotherapy. Cancer cell.

Zheng N, et al. (2022) Induction of tumor cell autosis by myxoma virus-infected CAR-T and TCR-T cells to overcome primary and acquired resistance. Cancer cell, 40(9), 973.