

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

NOD.Cg-Prkdc^{scid} Il2rg Tg(PGK1-KITLG*220)441Daw/SzJ

RRID:IMSR_JAX:017830

Type: Organism

Proper Citation

RRID:IMSR_JAX:017830

Organism Information

URL: <https://www.jax.org/strain/017830>

Proper Citation: RRID:IMSR_JAX:017830

Description: Mus musculus with name NOD.Cg-Prkdc^{scid} Il2rg Tg(PGK1-KITLG*220)441Daw/SzJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: phosphoglycerate kinase 1|protein kinase; DNA activated; catalytic polypeptide|transgene insertion 441; David A Williams|interleukin 2 receptor; gamma chain|KIT ligand; mutant strain|congenic strain: PGK1|Prkdc|Tg(PGK1-KITLG*220)441Daw|Il2rg|KITLG

Affected Gene: phosphoglycerate kinase 1|protein kinase; DNA activated; catalytic polypeptide|transgene insertion 441; David A Williams|interleukin 2 receptor; gamma chain|KIT ligand

Genomic Alteration: transgene insertion 441; David A Williams|severe combined immunodeficiency|targeted mutation 1; Warren J Leonard

Catalog Number: JAX:017830

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: NOD.Cg-Prkdc^{scid} Il2rg Tg(PGK1-KITLG*220)441Daw/SzJ

Record Creation Time: 20250513T053734+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(PGK1-KITLG*220)441Daw/SzJ.

No alerts have been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(PGK1-KITLG*220)441Daw/SzJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Zioni N, et al. (2023) Inflammatory signals from fatty bone marrow support DNMT3A driven clonal hematopoiesis. Nature communications, 14(1), 2070.

Gilfanova R, et al. (2021) A bioinspired and chemically defined alternative to dimethyl sulfoxide for the cryopreservation of human hematopoietic stem cells. Bone marrow transplantation, 56(11), 2644.

Yu CI, et al. (2021) Human KIT+ myeloid cells facilitate visceral metastasis by melanoma. The Journal of experimental medicine, 218(6).

Burton OT, et al. (2018) Tissue-Specific Expression of the Low-Affinity IgG Receptor, FcγRIIb, on Human Mast Cells. Frontiers in immunology, 9, 1244.