

Resource Summary Report

Generated by [NIF](#) on Aug 16, 2026

NOD.Cg-Gcg^{em1Dvs} Prkdc Il2rg/DvsJ

RRID:IMSR_JAX:029819

Type: Organism

Proper Citation

RRID:IMSR_JAX:029819

Organism Information

URL: <https://www.jax.org/strain/029819>

Proper Citation: RRID:IMSR_JAX:029819

Description: Mus musculus with name NOD.Cg-Gcg^{em1Dvs} Prkdc Il2rg/DvsJ from IMSR.

Species: Mus musculus

Synonyms: GKO-NSG

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

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

Genomic Alteration: endonuclease-mediated mutation 1; David V Serreze|targeted mutation 1; Warren J Leonard|severe combined immunodeficiency

Catalog Number: JAX:029819

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: NOD.Cg-Gcg^{em1Dvs} Prkdc Il2rg/DvsJ

Record Creation Time: 20250513T053811+0000

Record Last Update: 20260815T050725+0000

Ratings and Alerts

- Used for humanized mouse by the Human Islet Research Network community.
Contact(s): [Al Powers](#), [Dale Greiner](#) - Human Islets Research Network
<https://hirnetwork.org/>

No alerts have been found for NOD.Cg-Gcg^{em1Dvs} Prkdc Il2rg/DvsJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Coykendall VMN, et al. (2024) RFX6 Maintains Gene Expression and Function of Adult Human Islet ??-Cells. Diabetes, 73(3), 448.