

Resource Summary Report

Generated by T1D on Sep 6, 2026

NOD.Cg Prkdc^{scid}-Tg(CSF2)2Ygy Tg(IL3)1Ygy Tg(KITLG)3Ygy/YgyJ

RRID:IMSR_JAX:004644

Type: Organism

Proper Citation

RRID:IMSR_JAX:004644

Organism Information

URL: <https://www.jax.org/strain/004644>

Proper Citation: RRID:IMSR_JAX:004644

Description: Mus musculus with name NOD.Cg Prkdc^{scid}-Tg(CSF2)2Ygy Tg(IL3)1Ygy Tg(KITLG)3Ygy/YgyJ from IMSR.

Species: Mus musculus

Synonyms: CB17.Cg-Prkdc Tg(IL3)1Ygy Tg(CSF2)2Ygy Tg(KITLG)3Ygy

Notes: gene symbol note: transgene insertion 3; Yong-guang Yang|cytomegalovirus|KIT ligand|transgene insertion 2; Yong-guang Yang|human cytomegalovirus|transgene insertion 1; Yong-guang Yang|protein kinase; DNA activated; catalytic polypeptide|interleukin 3 (colony-stimulating factor; multiple)|colony stimulating factor 2 (granulocyte-macrophage); mutant strain|congenic strain: Tg(KITLG)3Ygy|CMV|KITLG|Tg(CSF2)2Ygy|hCMV|Tg(IL3)1Ygy|Prkdc|IL3|CSF2

Affected Gene: transgene insertion 3; Yong-guang Yang|cytomegalovirus|KIT ligand|transgene insertion 2; Yong-guang Yang|human cytomegalovirus|transgene insertion 1; Yong-guang Yang|protein kinase; DNA activated; catalytic polypeptide|interleukin 3 (colony-stimulating factor; multiple)|colony stimulating factor 2 (granulocyte-macrophage)

Genomic Alteration: transgene insertion 3; Yong-guang Yang|transgene insertion 2; Yong-guang Yang|transgene insertion 1; Yong-guang Yang|severe combined immunodeficiency

Catalog Number: JAX:004644

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: NOD.Cg Prkdc^{scid}-Tg(CSF2)2Ygy Tg(IL3)1Ygy Tg(KITLG)3Ygy/YgyJ

Record Creation Time: 20250513T053646+0000

Record Last Update: 20260905T044427+0000

Ratings and Alerts

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

No alerts have been found for NOD.Cg Prkdc^{scid}-Tg(CSF2)2Ygy Tg(IL3)1Ygy Tg(KITLG)3Ygy/YgyJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We have not found any literature mentions for this resource.