

Resource Summary Report

Generated by [kravitz2](#) on Sep 20, 2026

NOD.Cg-Prkdc^{scid} Il2rg Tg(SERPINA1*E342K)#Slcw/SzJ

RRID:IMSR_JAX:028842

Type: Organism

Proper Citation

RRID:IMSR_JAX:028842

Organism Information

URL: <https://www.jax.org/strain/028842>

Proper Citation: RRID:IMSR_JAX:028842

Description: Mus musculus with name NOD.Cg-Prkdc^{scid} Il2rg Tg(SERPINA1*E342K)#Slcw/SzJ from IMSR.

Species: Mus musculus

Synonyms: NSG-PiZ

Notes: gene symbol note: protein kinase; DNA activated; catalytic polypeptide|interleukin 2 receptor; gamma chain|transgene insertion; Savio L C Woo|serpin family A member 1; mutant strain|congenic strain: Prkdc|Il2rg|Tg(SERPINA1*E342K)#Slcw|SERPINA1

Affected Gene: protein kinase; DNA activated; catalytic polypeptide|interleukin 2 receptor; gamma chain|transgene insertion; Savio L C Woo|serpin family A member 1

Genomic Alteration: severe combined immunodeficiency|targeted mutation 1; Warren J Leonard|transgene insertion; Savio L C Woo

Catalog Number: JAX:028842

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NOD.Cg-Prkdc^{scid} Il2rg Tg(SERPINA1*E342K)#Slcw/SzJ

Record Creation Time: 20250513T053806+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(SERPINA1*E342K)#Slcw/SzJ.

No alerts have been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(SERPINA1*E342K)#Slcw/SzJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Monian P, et al. (2026) RNA editing for the treatment of alpha-1 antitrypsin deficiency. Nucleic acids research, 54(2).

Stone D, et al. (2025) Serum factors create species-specific barriers to hepatic gene transfer by lipid nanoparticles in liver-humanized mice. Molecular therapy. Methods & clinical development, 33(2), 101470.

Smith AR, et al. (2024) Transient growth factor expression via mRNA in lipid nanoparticles promotes hepatocyte cell therapy in mice. Nature communications, 15(1), 5010.

Wei J, et al. (2021) HRD1-mediated METTL14 degradation regulates m6A mRNA modification to suppress ER proteotoxic liver disease. Molecular cell, 81(24), 5052.

Karadagi A, et al. (2020) Systemic modified messenger RNA for replacement therapy in alpha 1-antitrypsin deficiency. Scientific reports, 10(1), 7052.