

Resource Summary Report

Generated by [NIF](#) on Aug 15, 2026

B6(Cg)-Rorc^{tm3Litt}/J

RRID:IMSR_JAX:008771

Type: Organism

Proper Citation

RRID:IMSR_JAX:008771

Organism Information

URL: <https://www.jax.org/strain/008771>

Proper Citation: RRID:IMSR_JAX:008771

Description: Mus musculus with name B6(Cg)-Rorc^{tm3Litt}/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Rorc/J

Notes: gene symbol note: RAR-related orphan receptor gamma; mutant strain: Rorc

Affected Gene: RAR-related orphan receptor gamma

Genomic Alteration: targeted mutation 3; Dan R Littman|

Catalog Number: JAX:008771

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6(Cg)-Rorc^{tm3Litt}/J

Record Creation Time: 20250513T053711+0000

Record Last Update: 20260815T050621+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Rorc^{tm3Litt}/J.

No alerts have been found for B6(Cg)-Rorc^{tm3Litt}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Rodrigues PF, et al. (2025) Ror γ t-positive dendritic cells are required for the induction of peripheral regulatory T cells in response to oral antigens. *Cell*, 188(10), 2720.

Bleve A, et al. (2025) ROR γ Bridges Cancer-Driven Lipid Dysmetabolism and Myeloid Immunosuppression. *Cancer discovery*, 15(7), 1505.

Cho HS, et al. (2025) Structure of gut microbial glycolipid modulates host inflammatory response. *Cell*.

Ren G, et al. (2024) Decreased GATA3 levels cause changed mouse cutaneous innate lymphoid cell fate, facilitating hair follicle recycling. *Developmental cell*, 59(14), 1809.

Potchen NB, et al. (2023) Oral tolerance to systemic vaccination remains intact without ROR γ t expression in regulatory T cells. *iScience*, 26(12), 108504.

Tachó-Piñot R, et al. (2023) Bcl6 is a subset-defining transcription factor of lymphoid tissue inducer-like ILC3. *Cell reports*, 42(11), 113425.

Hall JA, et al. (2022) Transcription factor ROR γ enforces stability of the Th17 cell effector program by binding to a Rorc cis-regulatory element. *Immunity*, 55(11), 2027.

Bhattacharjee A, et al. (2021) Environmental enteric dysfunction induces regulatory T cells that inhibit local CD4⁺ T cell responses and impair oral vaccine efficacy. *Immunity*, 54(8), 1745.

Seo GY, et al. (2018) LIGHT-HVEM Signaling in Innate Lymphoid Cell Subsets Protects Against Enteric Bacterial Infection. *Cell host & microbe*, 24(2), 249.

Takeda Y, et al. (2014) Retinoic acid-related orphan receptor γ (ROR γ): a novel participant in the diurnal regulation of hepatic gluconeogenesis and insulin sensitivity. *PLoS genetics*, 10(5), e1004331.