Resource Summary Report

Generated by SPARC SAWG on Aug 13, 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: 20260808T050916+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 SPARC SAWG .

Rodrigues PF, et al. (2025) Ror?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? 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?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? 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 ? (ROR?): a novel participant in the diurnal regulation of hepatic gluconeogenesis and insulin sensitivity. PLoS genetics, 10(5), e1004331.