

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

B6.129P2-Rorc^{tm1Litt/J}

RRID:IMSR_JAX:007571

Type: Organism

Proper Citation

RRID:IMSR_JAX:007571

Organism Information

URL: <https://www.jax.org/strain/007571>

Proper Citation: RRID:IMSR_JAX:007571

Description: Mus musculus with name B6.129P2-Rorc^{tm1Litt/J} from IMSR.

Species: Mus musculus

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

Affected Gene: RAR-related orphan receptor gamma

Genomic Alteration: targeted mutation 1; Dan R Littman

Catalog Number: JAX:007571

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Rorc^{tm1Litt/J}

Record Creation Time: 20250513T053702+0000

Record Last Update: 20260905T044446+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Rorc^{tm1Litt/J}.

No alerts have been found for B6.129P2-Rorc^{tm1Litt/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Dong P, et al. (2026) Enhanced HIF-1 α cooperation by a human ROR γ t mutant potentiates Th17 pathogenicity. Cell reports, 45(4), 117123.

Kak G, et al. (2025) CD4 $^{+}$ T cell-innate immune crosstalk is critical during Staphylococcus aureus craniotomy infection. JCI insight, 10(4).

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

Liang Z, et al. (2024) Intestinal CXCR6 $^{+}$ ILC3s migrate to the kidney and exacerbate renal fibrosis via IL-23 receptor signaling enhanced by PD-1 expression. Immunity, 57(6), 1306.

Zhong X, et al. (2024) Distinct ROR γ t-dependent Th17 immune responses are required for autoimmune pathogenesis and protection against bacterial infection. Cell reports, 43(11), 114951.

Jakob MO, et al. (2023) ILC3s restrict the dissemination of intestinal bacteria to safeguard liver regeneration after surgery. Cell reports, 42(3), 112269.

Riding AM, et al. (2022) Group 3 innate lymphocytes make a distinct contribution to type 17 immunity in bladder defence. iScience, 25(7), 104660.

Kathania M, et al. (2022) Pak2-mediated phosphorylation promotes ROR γ t ubiquitination and inhibits colonic inflammation. Cell reports, 40(11), 111345.

Mu Q, et al. (2021) Regulation of neonatal IgA production by the maternal microbiota. Proceedings of the National Academy of Sciences of the United States of America, 118(9).

Pandey S, et al. (2020) Pairwise Stimulations of Pathogen-Sensing Pathways Predict Immune Responses to Multi-adjuvant Combinations. Cell systems, 11(5), 495.

Hu Y, et al. (2019) Interleukin-1 β -induced IRAK1 ubiquitination is required for TH-17 cell differentiation in T cell-mediated inflammation. Journal of autoimmunity, 102, 50.

Zhang D, et al. (2019) High Glucose Intake Exacerbates Autoimmunity through Reactive-Oxygen-Species-Mediated TGF- β Cytokine Activation. Immunity, 51(4), 671.

Li B, et al. (2015) IL-10 engages macrophages to shift Th17 cytokine dependency and pathogenicity during T-cell-mediated colitis. Nature communications, 6, 6131.