

# Resource Summary Report

Generated by [kravitz2](#) on Sep 18, 2026

## C.129S7(B6)-Rag1<sup>tm1Mom</sup>/J

RRID:IMSR\_JAX:003145

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:003145

### Organism Information

**URL:** <https://www.jax.org/strain/003145>

**Proper Citation:** RRID:IMSR\_JAX:003145

**Description:** Mus musculus with name C.129S7(B6)-Rag1<sup>tm1Mom</sup>/J from IMSR.

**Species:** Mus musculus

**Synonyms:** BALB/c Rag

**Notes:** gene symbol note: recombination activating 1; mutant strain|congenic strain: Rag1

**Affected Gene:** recombination activating 1

**Genomic Alteration:** targeted mutation 1; Peter Mombaerts

**Catalog Number:** JAX:003145

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** C.129S7(B6)-Rag1<sup>tm1Mom</sup>/J

**Record Creation Time:** 20250513T053637+0000

**Record Last Update:** 20260912T060422+0000

### Ratings and Alerts

No rating or validation information has been found for C.129S7(B6)-Rag1<sup>tm1Mom</sup>/J.

No alerts have been found for C.129S7(B6)-Rag1<sup>tm1Mom</sup>/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 15 mentions in open access literature.

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

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

Spring J, et al. (2022) Gut commensal bacteria enhance pathogenesis of a tumorigenic murine retrovirus. Cell reports, 40(11), 111341.

Mao T, et al. (2022) A stem-loop RNA RIG-I agonist protects against acute and chronic SARS-CoV-2 infection in mice. The Journal of experimental medicine, 219(1).

Tsai KK, et al. (2022) Screening of organoids derived from patients with breast cancer implicates the repressor NCOR2 in cytotoxic stress response and antitumor immunity. Nature cancer, 3(6), 734.

Mao T, et al. (2021) A stem-loop RNA RIG-I agonist confers prophylactic and therapeutic protection against acute and chronic SARS-CoV-2 infection in mice. bioRxiv : the preprint server for biology.

Teijeira Á, et al. (2020) CXCR1 and CXCR2 Chemokine Receptor Agonists Produced by Tumors Induce Neutrophil Extracellular Traps that Interfere with Immune Cytotoxicity. Immunity, 52(5), 856.

Anzai A, et al. (2019) Self-reactive CD4<sup>+</sup> IL-3<sup>+</sup> T cells amplify autoimmune inflammation in myocarditis by inciting monocyte chemotaxis. The Journal of experimental medicine, 216(2), 369.

Khan AA, et al. (2019) Polymorphic Immune Mechanisms Regulate Commensal Repertoire. Cell reports, 29(3), 541.

Xu R, et al. (2019) OLIG2 Drives Abnormal Neurodevelopmental Phenotypes in Human iPSC-Based Organoid and Chimeric Mouse Models of Down Syndrome. Cell stem cell, 24(6), 908.

Farahani RM, et al. (2019) Neural microvascular pericytes contribute to human adult neurogenesis. The Journal of comparative neurology, 527(4), 780.

Wroblewska A, et al. (2018) Protein Barcodes Enable High-Dimensional Single-Cell CRISPR Screens. Cell, 175(4), 1141.

Abadpour S, et al. (2017) Glial cell-line derived neurotrophic factor protects human islets from nutrient deprivation and endoplasmic reticulum stress induced apoptosis. *Scientific reports*, 7(1), 1575.

Taylor JJ, et al. (2012) Deletion and anergy of polyclonal B cells specific for ubiquitous membrane-bound self-antigen. *The Journal of experimental medicine*, 209(11), 2065.

Koulnis M, et al. (2011) Negative autoregulation by Fas stabilizes adult erythropoiesis and accelerates its stress response. *PloS one*, 6(7), e21192.

Saunders V, et al. (2010) Particulate matter-induced airway hyperresponsiveness is lymphocyte dependent. *Environmental health perspectives*, 118(5), 640.