

Resource Summary Report

Generated by PRECISE-TBI on Aug 2, 2026

C.129S7(B6)-Rag1^{tm1Mom}/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^{tm1Mom}/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^{tm1Mom}/J

Record Creation Time: 20250513T053637+0000

Record Last Update: 20260801T050340+0000

Ratings and Alerts

No rating or validation information has been found for C.129S7(B6)-Rag1^{tm1Mom}/J.

No alerts have been found for C.129S7(B6)-Rag1^{tm1Mom}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

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

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. (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).

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 ??, 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⁺ IL-3⁺ 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.

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

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.

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.