

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

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

RRID:IMSR_JAX:003729

Type: Organism

Proper Citation

RRID:IMSR_JAX:003729

Organism Information

URL: <https://www.jax.org/strain/003729>

Proper Citation: RRID:IMSR_JAX:003729

Description: Mus musculus with name NOD.129S7(B6)-Rag1^{tm1Mom/J} from IMSR.

Species: Mus musculus

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:003729

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NOD.129S7(B6)-Rag1^{tm1Mom/J}

Record Creation Time: 20250513T053641+0000

Record Last Update: 20260725T044350+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Ciecko AE, et al. (2025) An interleukin-27-centered cytokine circuit regulates macrophage and T cell interactions in autoimmune diabetes. *iScience*, 28(10), 113537.

Srivastava N, et al. (2024) CXCL16-dependent scavenging of oxidized lipids by islet macrophages promotes differentiation of pathogenic CD8+ T cells in diabetic autoimmunity. *Immunity*, 57(7), 1629.

Benakis C, et al. (2022) T cells modulate the microglial response to brain ischemia. *eLife*, 11.

Khan N, et al. (2020) M. tuberculosis Reprograms Hematopoietic Stem Cells to Limit Myelopoiesis and Impair Trained Immunity. *Cell*, 183(3), 752.

Mohamed E, et al. (2020) The Unfolded Protein Response Mediator PERK Governs Myeloid Cell-Driven Immunosuppression in Tumors through Inhibition of STING Signaling. *Immunity*, 52(4), 668.

Ciecko AE, et al. (2019) Interleukin-27 Is Essential for Type 1 Diabetes Development and Sjögren Syndrome-like Inflammation. *Cell reports*, 29(10), 3073.

Kaufmann E, et al. (2018) BCG Educates Hematopoietic Stem Cells to Generate Protective Innate Immunity against Tuberculosis. *Cell*, 172(1-2), 176.

Sato K, et al. (2006) TRAIL-expressing T cells induce apoptosis of vascular smooth muscle cells in the atherosclerotic plaque. *The Journal of experimental medicine*, 203(1), 239.