

Resource Summary Report

Generated by [NIF](#) on Aug 16, 2026

C57BL/6JGpt-Rag1^{em1Cd3259}/Gpt

RRID:IMSR_GPT:T004753

Type: Organism

Proper Citation

RRID:IMSR_GPT:T004753

Organism Information

URL: https://en.gempharmatech.com/product/details100035_3691715.html

Proper Citation: RRID:IMSR_GPT:T004753

Description: Mus musculus with name C57BL/6JGpt-Rag1^{em1Cd3259}/Gpt from IMSR.

Species: Mus musculus

Notes: gene symbol note: recombination activating 1; coisogenic strain: Rag1

Affected Gene: recombination activating 1

Catalog Number: GPT:T004753

Database: GemPharmatech

Database Abbreviation: GPT

Availability: embryo

Organism Name: C57BL/6JGpt-Rag1^{em1Cd3259}/Gpt

Record Creation Time: 20250513T053934+0000

Record Last Update: 20260815T050846+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6JGpt-Rag1^{em1Cd3259}/Gpt.

No alerts have been found for C57BL/6JGpt-Rag1^{em1Cd3259}/Gpt.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: GemPharmatech

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Chen GY, et al. (2026) Sensing of DNA double-strand breaks by the NHEJ system stabilizes ROR γ t transcriptional activity and shapes Th17 pathogenicity in autoimmunity. *Cell research*, 36(5), 340.

Li X, et al. (2026) The TCR-SUB1-DOCK2 axis promotes autoimmunity by driving pathogenic CD4+ T cell tissue infiltration. *Immunity*, 59(1), 98.

Zhu JM, et al. (2026) Interleukin-27 remodels the bone marrow niche to suppress B-cell development and leukaemia progression in mouse models. *EBioMedicine*, 127, 106239.

Meng X, et al. (2025) CXXC-finger protein 1 associates with FOXP3 to stabilize homeostasis and suppressive functions of regulatory T cells. *eLife*, 13.

Chao J, et al. (2025) FAD synthase confers ferroptosis resistance and restrains CD8+ T cell recruitment in hepatocellular carcinoma. *Nature communications*, 16(1), 9547.

Wu M, et al. (2025) TMEM16F phospholipid scramblase regulates tumorigenesis by modulating the tumor immune microenvironment. *Proceedings of the National Academy of Sciences of the United States of America*, 122(42), e2513910122.

Xiao Z, et al. (2025) Engineered T cells stimulate dendritic cell recruitment and antigen spreading for potent anti-tumor immunity. *Cell reports. Medicine*, 6(9), 102307.

Tang Z, et al. (2025) Spatial transcriptomics reveals tryptophan metabolism restricting maturation of intratumoral tertiary lymphoid structures. *Cancer cell*, 43(6), 1025.

You Y, et al. (2024) Crystalline silica-induced recruitment and immuno-imbalance of CD4+ tissue resident memory T cells promote silicosis progression. *Communications biology*, 7(1), 971.

Wang H, et al. (2024) Preclinical study and phase II trial of adapting low-dose radiotherapy to immunotherapy in small cell lung cancer. *Med (New York, N.Y.)*, 5(10), 1237.

Wu J, et al. (2024) Microbiota-induced alteration of kynurenine metabolism in macrophages drives formation of creeping fat in Crohn's disease. *Cell host & microbe*, 32(11), 1927.

Cong J, et al. (2024) Bile acids modified by the intestinal microbiota promote colorectal cancer growth by suppressing CD8+ T cell effector functions. *Immunity*.

Cheng M, et al. (2024) ROR γ is required for expansion and memory maintenance of ILC1s via a lymph node-liver axis. *Cell reports*, 43(2), 113786.

Wang T, et al. (2024) The histone lysine methyltransferase MLL1 regulates the activation and functional specialization of regulatory T cells. *Cell reports*, 43(5), 114222.

Ning H, et al. (2022) Enhancer decommissioning by MLL4 ablation elicits dsRNA-interferon signaling and GSDMD-mediated pyroptosis to potentiate anti-tumor immunity. *Nature communications*, 13(1), 6578.