

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

C57BL/6-Irf5^{tm1Ppr}/J

RRID:IMSR_JAX:017311

Type: Organism

Proper Citation

RRID:IMSR_JAX:017311

Organism Information

URL: <https://www.jax.org/strain/017311>

Proper Citation: RRID:IMSR_JAX:017311

Description: Mus musculus with name C57BL/6-Irf5^{tm1Ppr}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: interferon regulatory factor 5; coisogenic strain|mutant strain: Irf5

Affected Gene: interferon regulatory factor 5

Genomic Alteration: targeted mutation 1; Paula Pitha-Rowe

Catalog Number: JAX:017311

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6-Irf5^{tm1Ppr}/J

Record Creation Time: 20250513T053731+0000

Record Last Update: 20260829T045030+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Irf5^{tm1Ppr}/J.

No alerts have been found for C57BL/6-Irf5^{tm1Ppr}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Orliaguet L, et al. (2022) Early macrophage response to obesity encompasses Interferon Regulatory Factor 5 regulated mitochondrial architecture remodelling. Nature communications, 13(1), 5089.

Ban T, et al. (2021) Genetic and chemical inhibition of IRF5 suppresses pre-existing mouse lupus-like disease. Nature communications, 12(1), 4379.

Leipner J, et al. (2021) Myeloid cell-specific Irf5 deficiency stabilizes atherosclerotic plaques in Apoe^{-/-} mice. Molecular metabolism, 53, 101250.

Yousif AS, et al. (2021) The persistence of interleukin-6 is regulated by a blood buffer system derived from dendritic cells. Immunity, 54(2), 235.

Arnold IC, et al. (2020) The GM-CSF-IRF5 signaling axis in eosinophils promotes antitumor immunity through activation of type 1 T cell responses. The Journal of experimental medicine, 217(12).

Bo M, et al. (2020) Antibody response to homologous epitopes of Epstein-Barr virus, Mycobacterium avium subsp. paratuberculosis and IRF5 in patients with different connective tissue diseases and in mouse model of antigen-induced arthritis. Journal of translational autoimmunity, 3, 100048.