

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

B6.Cg-Mir155^{tm1Rsky}/J

RRID:IMSR_JAX:007745

Type: Organism

Proper Citation

RRID:IMSR_JAX:007745

Organism Information

URL: <https://www.jax.org/strain/007745>

Proper Citation: RRID:IMSR_JAX:007745

Description: Mus musculus with name B6.Cg-Mir155^{tm1Rsky}/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Mir155/J. B6.Cg-Mir155/J

Notes: gene symbol note: microRNA 155|beta-galactosidase; mutant strain: Mir155|lacZ

Affected Gene: microRNA 155|beta-galactosidase

Genomic Alteration: targeted mutation 1; Klaus Rajewsky

Catalog Number: JAX:007745

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Mir155^{tm1Rsky}/J

Record Creation Time: 20250513T053703+0000

Record Last Update: 20260808T050908+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Mir155^{tm1Rsky}/J.

No alerts have been found for B6.Cg-Mir155^{tm1Rsky}/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](#) .

MacDonald L, et al. (2024) Synovial tissue myeloid dendritic cell subsets exhibit distinct tissue-niche localization and function in health and rheumatoid arthritis. *Immunity*, 57(12), 2843.

Johnson C, et al. (2020) A Novel Subset of CD95+ Pro-Inflammatory Macrophages Overcome miR155 Deficiency and May Serve as a Switch From Metabolically Healthy Obesity to Metabolically Unhealthy Obesity. *Frontiers in immunology*, 11, 619951.

Guay C, et al. (2019) Lymphocyte-Derived Exosomal MicroRNAs Promote Pancreatic ? Cell Death and May Contribute to Type 1 Diabetes Development. *Cell metabolism*, 29(2), 348.

Readhead B, et al. (2018) Multiscale Analysis of Independent Alzheimer's Cohorts Finds Disruption of Molecular, Genetic, and Clinical Networks by Human Herpesvirus. *Neuron*, 99(1), 64.

Ying W, et al. (2017) Adipose Tissue Macrophage-Derived Exosomal miRNAs Can Modulate In Vivo and In Vitro Insulin Sensitivity. *Cell*, 171(2), 372.

Christmann RB, et al. (2016) miR-155 in the progression of lung fibrosis in systemic sclerosis. *Arthritis research & therapy*, 18(1), 155.