

Resource Summary Report

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

B6.129-Arg1^{tm1Rki}/J

RRID:IMSR_JAX:007741

Type: Organism

Proper Citation

RRID:IMSR_JAX:007741

Organism Information

URL: <https://www.jax.org/strain/007741>

Proper Citation: RRID:IMSR_JAX:007741

Description: Mus musculus with name B6.129-Arg1^{tm1Rki}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: arginase; liver; mutant strain|congenic strain: Arg1

Affected Gene: arginase; liver

Genomic Alteration: targeted mutation 1; Ramaswamy K Iyer

Catalog Number: JAX:007741

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Arg1^{tm1Rki}/J

Record Creation Time: 20250513T053703+0000

Record Last Update: 20260815T050612+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Arg1^{tm1Rki}/J.

No alerts have been found for B6.129-Arg1^{tm1Rki}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Hsieh LE, et al. (2026) Extracellular Vesicles Delivered a Functional ARG1 Enzyme and Restored Its Activity in a Mouse Model of ARG1-D Resulting in Improved Lifespan. International journal of molecular sciences, 27(9).

Shosha E, et al. (2018) Mechanisms of Diabetes-Induced Endothelial Cell Senescence: Role of Arginase 1. International journal of molecular sciences, 19(4).