

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

B6.129(Cg)-Sirt3^{tm1.1Auw/J}

RRID:IMSR_JAX:031201

Type: Organism

Proper Citation

RRID:IMSR_JAX:031201

Organism Information

URL: <https://www.jax.org/strain/031201>

Proper Citation: RRID:IMSR_JAX:031201

Description: Mus musculus with name B6.129(Cg)-Sirt3^{tm1.1Auw/J} from IMSR.

Species: Mus musculus

Synonyms: B6N.129(Cg)-Sirt3/J

Notes: gene symbol note: sirtuin 3; mutant strain|congenic strain: Sirt3

Affected Gene: sirtuin 3

Genomic Alteration: targeted mutation 1.1; Johan Auwerx

Catalog Number: JAX:031201

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129(Cg)-Sirt3^{tm1.1Auw/J}

Record Creation Time: 20250513T053820+0000

Record Last Update: 20260905T044556+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Sirt3^{tm1.1Auw/J}.

No alerts have been found for B6.129(Cg)-Sirt3^{tm1.1Auw/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](#) .

Marques-Carvalho A, et al. (2025) Estrogens protect bone mass by inhibiting NAD⁺ metabolism in osteoclasts. bioRxiv : the preprint server for biology.

Smulan LJ, et al. (2021) Sirtuin 3 Downregulation in Mycobacterium tuberculosis-Infected Macrophages Reprograms Mitochondrial Metabolism and Promotes Cell Death. mBio, 12(1).