

Resource Summary Report

Generated by ASWG on Aug 29, 2026

B6.129S7-Sod1^{tm1Leb}/DnJ

RRID:IMSR_JAX:003881

Type: Organism

Proper Citation

RRID:IMSR_JAX:003881

Organism Information

URL: <https://www.jax.org/strain/003881>

Proper Citation: RRID:IMSR_JAX:003881

Description: Mus musculus with name B6.129S7-Sod1^{tm1Leb}/DnJ from IMSR.

Species: Mus musculus

Synonyms: B6.129S-Sod1/DnJ. B6Ei.129S-Sod1

Notes: gene symbol note: superoxide dismutase 1; soluble; mutant strain|congenic strain: Sod1

Affected Gene: superoxide dismutase 1; soluble

Genomic Alteration: targeted mutation 1; Russell M Lebovitz

Catalog Number: JAX:003881

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S7-Sod1^{tm1Leb}/DnJ

Record Creation Time: 20250513T053642+0000

Record Last Update: 20260829T044932+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Sod1^{tm1Leb}/DnJ.

No alerts have been found for B6.129S7-Sod1^{tm1Leb}/DnJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Hwang J, et al. (2020) SOD1 suppresses pro-inflammatory immune responses by protecting against oxidative stress in colitis. Redox biology, 37, 101760.

Noblanc A, et al. (2020) The Exacerbation of Aging and Oxidative Stress in the Epididymis of Sod1 Null Mice. Antioxidants (Basel, Switzerland), 9(2).

Gomez ML, et al. (2019) SOD1 is essential for oncogene-driven mammary tumor formation but dispensable for normal development and proliferation. Oncogene, 38(29), 5751.

Selvaratnam JS, et al. (2016) Effects of Aging and Oxidative Stress on Spermatozoa of Superoxide-Dismutase 1- and Catalase-Null Mice. Biology of reproduction, 95(3), 60.