Resource Summary Report

Generated by dkNET on Aug 7, 2026

B6.129X1-Sarm1^{tm1Aidi}/J

RRID:IMSR_JAX:018069
Type: Organism

Proper Citation

RRID:IMSR_JAX:018069

Organism Information

URL: https://www.jax.org/strain/018069

Proper Citation: RRID:IMSR_JAX:018069

Description: Mus musculus with name B6.129X1-Sarm1^{tm1Aidi}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: sterile alpha and HEAT/Armadillo motif containing 1; mutant strain|congenic strain: Sarm1

Affected Gene: sterile alpha and HEAT/Armadillo motif containing 1

Genomic Alteration: targeted mutation 1; Aihao Ding

Catalog Number: JAX:018069

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129X1-Sarm1^{tm1Aidi}/J

Record Creation Time: 20250513T053735+0000

Record Last Update: 20260801T050455+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-Sarm1^{tm1Aidi}/J.

No alerts have been found for B6.129X1-Sarm1^{tm1Aidi}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 29 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Wu T, et al. (2026) SARM1 executes neuronal parthanatos and promotes excitotoxic cell death. Neuron.

Finneran MC, et al. (2026) AxoMetric platform facilitates rapid and unbiased automated quantification of axon regeneration in tissue sections. Cell reports methods, 6(2), 101296.

Izadi E, et al. (2026) Increased synaptic turnover in injured cortical axons: exploring the role of SARM1 ablation. Frontiers in synaptic neuroscience, 18, 1741328.

Finneran MC, et al. (2025) AxoMetric: A Rapid and Unbiased Tool for Automated Quantification of Axon Regeneration in Tissue Sections. bioRxiv : the preprint server for biology.

O'Connor JT, et al. (2025) TDP-43 suppression of ATP8A2 cryptic splicing implicates phosphatidylserine-driven neuroinflammation in ALS/FTD. bioRxiv : the preprint server for biology.

Dogan EO, et al. (2025) Genetic Ablation of Sarm1 Mitigates Disease Acceleration after Traumatic Brain Injury in the SOD1G93A Transgenic Mouse Model of Amyotrophic Lateral Sclerosis. Annals of neurology, 97(5), 963.

Hinz FI, et al. (2024) Context-Specific Stress Causes Compartmentalized SARM1 Activation and Local Degeneration in Cortical Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(24).

Liu T, et al. (2024) An axon-T cell feedback loop enhances inflammation and axon degeneration. Cell reports, 43(2), 113721.

Huang Y, et al. (2024) Schwann cell promotes macrophage recruitment through IL-17B/IL-17RB pathway in injured peripheral nerves. Cell reports, 43(2), 113753.

Dogan EO, et al. (2023) Genetic ablation of Sarm1 attenuates expression and mislocalization of phosphorylated TDP-43 after mouse repetitive traumatic brain injury. Acta neuropathologica communications, 11(1), 206.

Clary RC, et al. (2023) Spatiotemporal dynamics of sensory neuron and Merkel-cell remodeling are decoupled during epidermal homeostasis. bioRxiv : the preprint server for biology.

Zeidler JD, et al. (2022) Endogenous metabolism in endothelial and immune cells generates most of the tissue vitamin B3 (nicotinamide). iScience, 25(11), 105431.

Finnegan LK, et al. (2022) SARM1 Ablation Is Protective and Preserves Spatial Vision in an In Vivo Mouse Model of Retinal Ganglion Cell Degeneration. International journal of molecular sciences, 23(3).

Feriotti C, et al. (2022) Klebsiella pneumoniae hijacks the Toll-IL-1R protein SARM1 in a type I IFN-dependent manner to antagonize host immunity. Cell reports, 40(6), 111167.

Ward A, et al. (2022) Lack of the immune adaptor molecule SARM1 accelerates disease in prion infected mice and is associated with increased mitochondrial respiration and decreased expression of NRF2. PloS one, 17(5), e0267720.

Krus KL, et al. (2022) Loss of Stathmin-2, a hallmark of TDP-43-associated ALS, causes motor neuropathy. Cell reports, 39(13), 111001.

Bratkowski M, et al. (2022) Uncompetitive, adduct-forming SARM1 inhibitors are neuroprotective in preclinical models of nerve injury and disease. Neuron, 110(22), 3711.

Bosanac T, et al. (2021) Pharmacological SARM1 inhibition protects axon structure and function in paclitaxel-induced peripheral neuropathy. Brain : a journal of neurology, 144(10), 3226.

Wu T, et al. (2021) Neurotoxins subvert the allosteric activation mechanism of SARM1 to induce neuronal loss. Cell reports, 37(3), 109872.

Liu K, et al. (2021) Metabolic stress drives sympathetic neuropathy within the liver. Cell metabolism, 33(3), 666.