

Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

129X1/SvJ

RRID:IMSR_JAX:000691

Type: Organism

Proper Citation

RRID:IMSR_JAX:000691

Organism Information

URL: <https://www.jax.org/strain/000691>

Proper Citation: RRID:IMSR_JAX:000691

Description: Mus musculus with name 129X1/SvJ from IMSR.

Species: Mus musculus

Synonyms: 129X1. 129/SvJ

Notes: gene symbol note: cadherin related 23 (otocadherin)|polymerase (DNA directed);
iota|disrupted in schizophrenia 1|astrotactin 2; inbred strain: Cdh23|Poli|Disc1|Astn2

Affected Gene: cadherin related 23 (otocadherin)|polymerase (DNA directed);
iota|disrupted in schizophrenia 1|astrotactin 2

Genomic Alteration: age related hearing loss 1|polymerase iota deficient|deletion|ridge

Catalog Number: JAX:000691

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: 129X1/SvJ

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260801T050326+0000

Ratings and Alerts

No rating or validation information has been found for 129X1/SvJ.

No alerts have been found for 129X1/SvJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 224 mentions in open access literature.

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

Okami N, et al. (2025) Effects of proximal tubule-specific ATRAP enhancement on hypertension in a remnant kidney chronic kidney disease model of mice. Scientific reports, 15(1), 27391.

Jones BA, et al. (2025) NAD⁺ prevents chronic kidney disease by activating renal tubular metabolism. JCI insight, 10(5).

Thome C, et al. (2025) Live imaging of excitable axonal microdomains in ankyrin-G-GFP mice. eLife, 12.

Embaie BT, et al. (2025) Comparative Single-Cell Transcriptomics of Human Neuroblastoma and Preclinical Models Reveals Conservation of an Adrenergic Cell State. Cancer research, 85(6), 1015.

Tin CM, et al. (2025) Single-cell quantification of the microbiota by flow cytometry: MicFLY. bioRxiv : the preprint server for biology.

Beukenhorst AL, et al. (2025) Intranasal administration of a panreactive influenza antibody reveals Fc-independent mode of protection. Scientific reports, 15(1), 10309.

Di Luccia B, et al. (2025) Salmonella-superspreader hosts require gut regulatory T cells to maintain a disease-tolerant state. The Journal of experimental medicine, 222(11).

Woo KV, et al. (2025) Echocardiographic Assessment of Pulmonary Hemodynamics and Right Ventricular Performance in Neonatal Murine Hypoxia. Journal of cardiovascular development and disease, 12(8).

Feng Y, et al. (2025) Distinct changes to hippocampal and medial entorhinal circuits emerge across the progression of cognitive deficits in epilepsy. Cell reports, 44(2), 115131.

Tsuno T, et al. (2025) Imeglimin suppresses glucagon secretion and induces a loss of ?? cell identity. Cell reports. Medicine, 6(8), 102254.

Wong HN, et al. (2025) Dual leucine zipper-bearing kinase DLK is necessary for cell autonomous regulation of insulin sensitivity. *Molecular metabolism*, 101, 102244.

Belinsky G, et al. (2025) Modeling bone marrow microenvironment and hematopoietic dysregulation in Gaucher disease through VavCre mediated Gba deletion. *Human molecular genetics*, 34(11), 952.

Siaw JT, et al. (2025) Spatial transcriptomics exploration of the primary neuroblastoma microenvironment in archived FFPE samples unveils novel paracrine interactions. *The Journal of pathology*, 267(2), 181.

Lorenzi F, et al. (2025) ATRX mutations mediate an immunogenic phenotype and macrophage infiltration in neuroblastoma. *Cancer letters*, 613, 217495.

Wick ZC, et al. (2025) Interneuron theta phase locking controls seizure susceptibility. *bioRxiv : the preprint server for biology*.

Bennett AN, et al. (2024) Methods for detecting and monitoring Salmonella infection and chronic carriage in living mice using bioluminescent in vivo imaging. *Access microbiology*, 6(11).

Yau B, et al. (2024) Genetics and diet shape the relationship between islet function and whole body metabolism. *American journal of physiology. Endocrinology and metabolism*, 326(5), E663.

Ge M, et al. (2024) Metabolic Analysis and Renal Protective Effects of Linagliptin and Empagliflozin in Alport Syndrome. *Kidney360*, 5(7), 1002.

Chapple RH, et al. (2024) An integrated single-cell RNA-seq map of human neuroblastoma tumors and preclinical models uncovers divergent mesenchymal-like gene expression programs. *Genome biology*, 25(1), 161.

Thome C, et al. (2024) Live imaging of excitable axonal microdomains in ankyrin-G-GFP mice. *bioRxiv : the preprint server for biology*.