

Resource Summary Report

Generated by [dkNET](#) on Aug 23, 2026

129S1/SvImJ

RRID:IMSR_JAX:002448

Type: Organism

Proper Citation

RRID:IMSR_JAX:002448

Organism Information

URL: <https://www.jax.org/strain/002448>

Proper Citation: RRID:IMSR_JAX:002448

Description: Mus musculus with name 129S1/SvImJ from IMSR.

Species: Mus musculus

Synonyms: 129S3. 129S1/Sv-p+> Tyr+> Kitl+>. 129S3/SvIm. 129S3/SvImJ. 129/SvImJ

Notes: gene symbol note: latent transforming growth factor beta binding protein 4|disrupted in schizophrenia 1|cytochrome c oxidase subunit 7A2 like; inbred strain: Ltbp4|Disc1|Cox7a2l

Affected Gene: latent transforming growth factor beta binding protein 4|disrupted in schizophrenia 1|cytochrome c oxidase subunit 7A2 like

Genomic Alteration: Duchenne modifier 1 resistant|deletion|long

Catalog Number: JAX:002448

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: 129S1/SvImJ

Record Creation Time: 20250513T053632+0000

Record Last Update: 20260815T050541+0000

Ratings and Alerts

No rating or validation information has been found for 129S1/SvImJ.

No alerts have been found for 129S1/SvImJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 586 mentions in open access literature.

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

Javidjam D, et al. (2026) Transcriptomic Analysis in a Model of Aniridia-Associated Keratopathy for Target Discovery and Evaluation of Duloxetine Therapy. *Investigative ophthalmology & visual science*, 67(1), 37.

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.

Lai S, et al. (2026) Proinsulin regulators identified with CRISPR screen and in vivo mouse QTL mapping. *Nature communications*, 17(1).

Helmy M, et al. (2026) High-quality mouse reference genomes reveal the structural complexity of the murine protein-coding landscape. *Cell genomics*, 6(2), 101074.

Erickson S, et al. (2026) Environmentally driven immune imprinting protects against allergy. *Nature*, 650(8103), 987.

Dewey HB, et al. (2026) Simplifying Systems Genetics with QTLretrievR: An R Package for Molecular QTL Identification. *bioRxiv : the preprint server for biology*.

Sui Y, et al. (2026) Entorhinal Cholecystokinin in Alzheimer's Disease: Its Earliest Vulnerability and Rescue Effects Across Different Disease Stages in a Mouse Model. *Cellular and molecular neurobiology*, 46(1).

Dzieciatkowska M, et al. (2026) Lower efficacy of transfusion of red blood cells from donors with sickle cell trait. *HemaSphere*, 10(4), e70360.

Jeng AC, et al. (2026) Elevated zygotc let-7f-5p alters developmental trajectories and sex-specific somatic growth. *iScience*, 29(6), 116115.

Blencowe M, et al. (2026) Multi-tissue multi-omics integration reveals tissue-specific pathways, gene networks and drug candidates for type 1 diabetes. *Diabetologia*, 69(7), 1911.

Dickerson MT, et al. (2026) Glycolytic activation of β -cell Na^+/K^+ -ATPases containing $\beta 1$ -subunits accelerates Na^+ extrusion, prolonging the duration of Ca^{2+} oscillations but decreasing insulin secretion. *Molecular metabolism*, 103, 102296.

Inzerillo PC, et al. (2026) Strain-Dependent Protective Innate Immunity Against *Pneumocystis* Pneumonia in Mice. *Journal of fungi* (Basel, Switzerland), 12(4).

Orieux A, et al. (2026) The 129S1/SvImJ mouse strain recapitulates severe hypertensive target organ damage under moderate angiotensin II-induced hypertension. *Scientific reports*, 16(1).

Mononen J, et al. (2026) Genetic variation shapes the chromatin accessibility landscape and transcriptional responses in mouse adipose tissue. *PLoS genetics*, 22(1), e1011716.

Potter G, et al. (2026) OmNI: a modular open-source framework for interactive multi-omics data integration and visualization. *NAR genomics and bioinformatics*, 8(1), lqaf206.

Li M, et al. (2026) A novel PGK1 activator improves Alzheimer's disease by regulating glycolysis. *Alzheimer's research & therapy*, 18(1).

Strosahl J, et al. (2026) Contrasting the genetic architecture of cardiac glutathione against other organs: unveiling a unique tissue-specific locus. *Mammalian genome : official journal of the International Mammalian Genome Society*, 37(1).

Chang JM, et al. (2026) Cimigenoside Attenuates Ulcerative Colitis by Inhibiting Oxidative Stress and Inflammation via Sirtuin 3 Enhancement in Mice. *Antioxidants* (Basel, Switzerland), 15(4).

Montenegro D, et al. (2026) Tracking Systemic and Ocular Vitamin A. *Cells*, 15(2).

Jung W, et al. (2026) Spatial transcriptome mapping identifies Ppara-Anxa2 cross-talk in microplastic-induced hepatotoxicity. *Science advances*, 12(25), eaec8681.