

Resource Summary Report

Generated by [NIF](#) on Sep 11, 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: 20260905T044410+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 [NIF](#) .

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

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.

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.

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).

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

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.

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

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.

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

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).

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.

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).

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

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

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).

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