

Resource Summary Report

Generated by [RRID](#) on Jul 29, 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|cytochrome c oxidase subunit 7A2 like|disrupted in schizophrenia 1; inbred strain: Ltbp4|Cox7a2l|Disc1

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

Genomic Alteration: Duchenne modifier 1 resistant|long|deletion

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: 20260725T044339+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 561 mentions in open access literature.

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

Norris AM, et al. (2026) Protocol to assess myogenic effects of 3T3-L1 and primary murine fibro-adipogenic progenitors on C2C12 myoblast differentiation. STAR protocols, 7(1), 104332.

Casas E, et al. (2025) Genetic polymorphisms lead to major, locus-specific, variation in piRNA production in mouse. The EMBO journal, 44(14), 4104.

Rosa RB, et al. (2025) A comprehensive murine clinical model for development of countermeasures and studying Mayaro virus infection. PLoS neglected tropical diseases, 19(7), e0013333.

Lee AS, et al. (2025) Cerebellar output neurons can impair non-motor behaviors by altering development of extracerebellar connectivity. Nature communications, 16(1), 1858.

Goldscheitter GM, et al. (2025) Sexual dimorphism of MASLD-driven bone loss. Scientific reports, 15(1), 23090.

Zhang Q, et al. (2025) Systems genetics uncovers associations among host amylase locus, gut microbiome, and metabolic traits in mice. Microbiome, 13(1), 101.

Iñáñez A, et al. (2025) The Potential of Single-Transcription Factor Gene Expression by RT-qPCR for Subtyping Small Cell Lung Cancer. International journal of molecular sciences, 26(3).

Bruno M, et al. (2025) Young KRAB-zinc finger gene clusters are highly dynamic incubators of ERV-driven genetic heterogeneity in mice. Nature communications, 16(1), 9608.

De Pauw L, et al. (2025) Intact corticostriatal function in aged system xc- - deficient mice. Translational psychiatry, 15(1), 471.

Borrajó M, et al. (2025) Early downregulation of hair cell (HC)-specific genes in the vestibular sensory epithelium during chronic ototoxicity. Journal of biomedical science, 32(1), 84.

Murray KE, et al. (2025) Sex and Genotype Affect Mouse Hippocampal Gene Expression in Response to Blast-Induced Traumatic Brain Injury. *Molecular neurobiology*, 62(8), 9980.

Peeters S, et al. (2025) Escape from X-chromosome inactivation at KDM5C is driven by promoter-proximal DNA elements and enhanced by domain context. *Human molecular genetics*, 34(11), 978.

Garretson A, et al. (2025) Benchmarking Genomic Variant Calling Tools in Inbred Mouse Strains: Recommendations and Considerations. *bioRxiv : the preprint server for biology*.

Oestereicher MA, et al. (2025) Establishing standardized transthoracic echocardiography reference ranges for mouse models: insights into the impact of anesthesia, sex, and age. *Frontiers in cardiovascular medicine*, 12, 1695034.

Liu F, et al. (2025) Accumulation of GSK-3 β in Interneurons Impairs Adult Hippocampal Neurogenesis by Inhibiting GABAergic Transmission. *Aging cell*, 24(8), e70115.

Mauk KE, et al. (2025) Commensal colonization of *Candida albicans* in the mouse gastrointestinal tract is mediated via expression of candidalysin and adhesins. *Microbiology spectrum*, 13(9), e0056725.

Bruno M, et al. (2025) Young KRAB-zinc finger gene clusters are highly dynamic incubators of ERV-driven genetic heterogeneity in mice. *bioRxiv : the preprint server for biology*.

Li X, et al. (2025) TRPC6 Deficiency Attenuates Mitochondrial and Cardiac Dysfunction in Heart Failure with Preserved Ejection Fraction Induced by High-Fat Diet Plus L-NAME. *International journal of molecular sciences*, 26(19).

Moore KM, et al. (2025) Monocyte-eosinophil signaling axis promotes vaccine-mediated protection against SARS-CoV-2. *PLoS pathogens*, 21(12), e1013752.

Shekhar S, et al. (2025) Sensory quiescence induces a cell-non-autonomous integrated stress response curbed by condensate formation of the ATF4 and XRP1 effectors. *Nature communications*, 16(1), 252.