

Resource Summary Report

Generated by SPARC SAWG on Aug 26, 2026

129S1/Sv-Hprt1^{tm1(CAG-cre)}Mnn/J

RRID:IMSR_JAX:004302

Type: Organism

Proper Citation

RRID:IMSR_JAX:004302

Organism Information

URL: <https://www.jax.org/strain/004302>

Proper Citation: RRID:IMSR_JAX:004302

Description: Mus musculus with name 129S1/Sv-Hprt1^{tm1(CAG-cre)}Mnn/J from IMSR.

Species: Mus musculus

Synonyms: 129S1-Hprt1/J. 129S1-Hprt. 129S1/Sv-Hprt/J. 129S1/Sv-Hprt/J. 129S1-Hprt/J

Notes: gene symbol note: |hypoxanthine phosphoribosyltransferase 1; mutant strain: |Hprt1

Affected Gene: |hypoxanthine phosphoribosyltransferase 1

Genomic Alteration: targeted mutation 1; Jeffrey R Mann

Catalog Number: JAX:004302

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: 129S1/Sv-Hprt1^{tm1(CAG-cre)}Mnn/J

Record Creation Time: 20250513T053644+0000

Record Last Update: 20260815T050555+0000

Ratings and Alerts

No rating or validation information has been found for 129S1/Sv-Hprt1^{tm1(CAG-cre)}Mnn/J.

No alerts have been found for 129S1/Sv-Hprt1^{tm1(CAG-cre)}Mnn/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Cichy A, et al. (2026) A microbiome-derived olfactory signal regulates inter-male aggression and social dominance in mice. *Current biology* : CB, 36(8), 1946.

Srivastava R, et al. (2025) Redefined Strategies to generate Conditional miR-141/200c miRNA cluster Knockout mice to eliminate confounding neo cassettes. *bioRxiv* : the preprint server for biology.

Croce KR, et al. (2025) A rare genetic variant confers resistance to neurodegeneration across multiple neurological disorders by augmenting selective autophagy. *Neuron*.

Mehlmann LM, et al. (2024) Generation and Characterization of a TRIM21 Overexpressing Mouse Line. *Genesis (New York, N.Y. : 2000)*, 62(5), e23616.

Gamiotea-Turro D, et al. (2023) Transcriptomic analysis reveals novel age-independent immunomodulatory proteins as a mode of cerebroprotection in P2X4 receptor knockout mice after ischemic stroke. *Purinergic signalling*, 19(3), 489.

Yamamoto M, et al. (2022) Overexpression of Wild-Type ACVR1 in Fibrodysplasia Ossificans Progressiva Mice Rescues Perinatal Lethality and Inhibits Heterotopic Ossification. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 37(11), 2077.

Sefton EM, et al. (2022) Fibroblast-derived Hgf controls recruitment and expansion of muscle during morphogenesis of the mammalian diaphragm. *eLife*, 11.

Willemin A, et al. (2021) Induction of a chromatin boundary in vivo upon insertion of a TAD border. *PLoS genetics*, 17(7), e1009691.

Miljanovic N, et al. (2021) The impact of Scn1a deficiency and ketogenic diet on the intestinal microbiome: A study in a genetic Dravet mouse model. *Epilepsy research*, 178, 106826.

Miljanovic N, et al. (2021) Proteomic signature of the Dravet syndrome in the genetic Scn1a-A1783V mouse model. *Neurobiology of disease*, 157, 105423.

Takeo YH, et al. (2021) GluD2- and Cbln1-mediated competitive interactions shape the dendritic arbors of cerebellar Purkinje cells. *Neuron*, 109(4), 629.

Contreras X, et al. (2021) A genome-wide library of MADM mice for single-cell genetic mosaic analysis. *Cell reports*, 35(12), 109274.

Amberg N, et al. (2021) Genetic mosaic dissection of candidate genes in mice using mosaic analysis with double markers. *STAR protocols*, 2(4), 100939.

Defoe DM, et al. (2020) A non-canonical role for p27Kip1 in restricting proliferation of corneal endothelial cells during development. *PloS one*, 15(1), e0226725.

Lieberman OJ, et al. (2020) Cell-type-specific regulation of neuronal intrinsic excitability by macroautophagy. *eLife*, 9.

Bereshchenko O, et al. (2019) Deficiency and haploinsufficiency of histone macroH2A1.1 in mice recapitulate hematopoietic defects of human myelodysplastic syndrome. *Clinical epigenetics*, 11(1), 121.

Zhou Y, et al. (2019) Selective deletion of glutamine synthetase in the mouse cerebral cortex induces glial dysfunction and vascular impairment that precede epilepsy and neurodegeneration. *Neurochemistry international*, 123, 22.

McGann JC, et al. (2018) Neuronal activity induces glutathione metabolism gene expression in astrocytes. *Glia*, 66(9), 2024.

Beattie R, et al. (2017) Mosaic Analysis with Double Markers Reveals Distinct Sequential Functions of Lgl1 in Neural Stem Cells. *Neuron*, 94(3), 517.

Yeh SY, et al. (2017) Respiratory Network Stability and Modulatory Response to Substance P Require Nalcn. *Neuron*, 94(2), 294.