

Resource Summary Report

Generated by [NIF](#) on Sep 14, 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: 20260912T060428+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 [NIF](#) .

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.

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

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

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.