

Resource Summary Report

Generated by T1D on Sep 6, 2026

129/Sv.129S4(ICR)-Parp1^{tm1Hsmm}/Hsmm

RRID:IMSR_CARD:578

Type: Organism

Proper Citation

RRID:IMSR_CARD:578

Organism Information

URL: <https://cardmice.com/rbase/strain?strainid=578>

Proper Citation: RRID:IMSR_CARD:578

Description: Mus musculus with name 129/Sv.129S4(ICR)-Parp1^{tm1Hsmm}/Hsmm from IMSR.

Species: Mus musculus

Synonyms: 129(Cg)-Parp1/Hsmm

Notes: gene symbol note: poly (ADP-ribose) polymerase family; member 1; mutant stock: Parp1

Affected Gene: poly (ADP-ribose) polymerase family; member 1

Genomic Alteration: targeted mutation 1; Hiroshi Suzuki Mitsuko Masutani

Catalog Number: CARD:578

Database: Center for Animal Resources and Development

Database Abbreviation: CARD

Availability: embryo

Organism Name: 129/Sv.129S4(ICR)-Parp1^{tm1Hsmm}/Hsmm

Record Creation Time: 20250513T061413+0000

Record Last Update: 20260905T052338+0000

Ratings and Alerts

No rating or validation information has been found for 129/Sv.129S4(ICR)-Parp1^{tm1Hsmm}/Hsmm.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Center for Animal Resources and Development

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Pérez-Cabezas B, et al. (2019) Understanding Resistance vs. Susceptibility in Visceral Leishmaniasis Using Mouse Models of Leishmania infantum Infection. *Frontiers in cellular and infection microbiology*, 9, 30.

Grillo FW, et al. (2018) A Distance-Dependent Distribution of Presynaptic Boutons Tunes Frequency-Dependent Dendritic Integration. *Neuron*, 99(2), 275.

Gorski T, et al. (2018) Uncoupling protein 1 expression in adipocytes derived from skeletal muscle fibro/adipogenic progenitors is under genetic and hormonal control. *Journal of cachexia, sarcopenia and muscle*, 9(2), 384.

Chen L, et al. (2015) Oleoylethanolamide, an endogenous PPAR- γ ligand, attenuates liver fibrosis targeting hepatic stellate cells. *Oncotarget*, 6(40), 42530.

Anzilotti S, et al. (2015) Genetic ablation of homeodomain-interacting protein kinase 2 selectively induces apoptosis of cerebellar Purkinje cells during adulthood and generates an ataxic-like phenotype. *Cell death & disease*, 6(12), e2004.

Saintamand A, et al. (2015) The IgH 3' regulatory region governs γ chain transcription in mature B lymphocytes and the B cell fate. *Oncotarget*, 6(7), 4845.

Schiffer M, et al. (2015) Pharmacological targeting of actin-dependent dynamin oligomerization ameliorates chronic kidney disease in diverse animal models. *Nature medicine*, 21(6), 601.

Groh J, et al. (2014) Non-invasive assessment of retinal alterations in mouse models of infantile and juvenile neuronal ceroid lipofuscinosis by spectral domain optical coherence tomography. *Acta neuropathologica communications*, 2, 54.

Tian XX, et al. (2013) Purification and functional assessment of smooth muscle cells derived from mouse embryonic stem cells. *Journal of geriatric cardiology : JGC*, 10(3), 272.

Sinclair L, et al. (2013) Cytosolic caspases mediate mislocalised SOD2 depletion in an in vitro model of chronic prion infection. *Disease models & mechanisms*, 6(4), 952.

St John AL, et al. (2013) Contributions of mast cells and vasoactive products, leukotrienes and chymase, to dengue virus-induced vascular leakage. *eLife*, 2, e00481.

Ho T, et al. (2012) Amyloid precursor protein is required for normal function of the rod and cone pathways in the mouse retina. *PloS one*, 7(1), e29892.

Pham M, et al. (2010) Outcome of experimental stroke in C57Bl/6 and Sv/129 mice assessed by multimodal ultra-high field MRI. *Experimental & translational stroke medicine*, 2, 6.