

Resource Summary Report

Generated by ASWG on Sep 20, 2026

129P3/J

RRID:IMSR_JAX:000690

Type: Organism

Proper Citation

RRID:IMSR_JAX:000690

Organism Information

URL: <https://www.jax.org/strain/000690>

Proper Citation: RRID:IMSR_JAX:000690

Description: Mus musculus with name 129P3/J from IMSR.

Species: Mus musculus

Synonyms: 129/J

Notes: gene symbol note: cadherin related 23 (otocadherin)|aryl-hydrocarbon receptor|polymerase (DNA directed); iota|hemoglobin beta chain complex|disrupted in schizophrenia 1|resistance to MCF virus; inbred strain|segregating inbred: Cdh23|Ahr|Poli|Hbb|Disc1|Rmcf

Affected Gene: cadherin related 23 (otocadherin)|aryl-hydrocarbon receptor|polymerase (DNA directed); iota|hemoglobin beta chain complex|disrupted in schizophrenia 1|resistance to MCF virus

Genomic Alteration: age related hearing loss 1|d variant|polymerase iota deficient|d|deletion|MCF resistant

Catalog Number: JAX:000690

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: 129P3/J

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260919T054809+0000

Ratings and Alerts

No rating or validation information has been found for 129P3/J.

No alerts have been found for 129P3/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Vachanaram AR, et al. (2025) Modeling CIC::DUX4 sarcoma reveals oncogene-mediated MHC-I-dependent immune evasion. *Molecular cancer*, 24(1), 299.

Collins CA, et al. (2024) Nur77 protects the bladder urothelium from intracellular bacterial infection. *Nature communications*, 15(1), 8308.

Sheppard K, et al. (2022) Stride-level analysis of mouse open field behavior using deep-learning-based pose estimation. *Cell reports*, 38(2), 110231.

Britt NM, et al. (2022) Localization of NGF expression in mouse spleen and salivary gland: Relevance to pleiotropic functions. *Journal of neuroimmunology*, 366, 577846.

Fernandes MS, et al. (2022) Effect of Physical Exercise and Genetic Background on Glucose Homeostasis and Liver/Muscle Proteomes in Mice. *Metabolites*, 12(2).

Nashed M, et al. (2021) Differential fructose and glucose appetite in DBA/2, 129P3 and C57BL/6 × 129P3 hybrid mice revealed by sugar versus non-nutritive sweetener tests. *Physiology & behavior*, 241, 113590.

Sanchez-Arias JC, et al. (2020) Pannexin 1 Regulates Dendritic Protrusion Dynamics in Immature Cortical Neurons. *eNeuro*, 7(4).

Murovets VO, et al. (2020) Allelic variation of the Tas1r3 taste receptor gene affects sweet taste responsiveness and metabolism of glucose in F1 mouse hybrids. *PloS one*, 15(7), e0235913.

van der Goot MH, et al. (2020) An individual based, multidimensional approach to identify emotional reactivity profiles in inbred mice. *Journal of neuroscience methods*, 343, 108810.

Sigmon JS, et al. (2020) Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. *Genetics*, 216(4), 905.

Cunningham CL, et al. (2019) Genetic Relationships Between Ethanol-Induced Conditioned Place Aversion and Other Ethanol Phenotypes in 15 Inbred Mouse Strains. *Brain sciences*, 9(8).

Randles MJ, et al. (2016) Three-dimensional electron microscopy reveals the evolution of glomerular barrier injury. *Scientific reports*, 6, 35068.

Liu JL, et al. (2016) Genome-Wide Association Mapping for Female Infertility in Inbred Mice. *G3 (Bethesda, Md.)*, 6(9), 2929.

Hwang CJ, et al. (2016) CCR5 deficiency accelerates lipopolysaccharide-induced astrogliosis, amyloid-beta deposit and impaired memory function. *Oncotarget*, 7(11), 11984.

Khan ZN, et al. (2016) Liver proteome of mice with different genetic susceptibilities to the effects of fluoride. *Journal of applied oral science : revista FOB*, 24(3), 250.

Lin C, et al. (2015) Body Composition QTLs Identified in Intercross Populations Are Reproducible in Consomic Mouse Strains. *PloS one*, 10(11), e0141494.

Leblond F, et al. (2014) The anti-hypercholesterolemic effect of low p53 expression protects vascular endothelial function in mice. *PloS one*, 9(3), e92394.

Xu J, et al. (2014) Differential expressions of the alternatively spliced variant mRNAs of the μ opioid receptor gene, *OPRM1*, in brain regions of four inbred mouse strains. *PloS one*, 9(10), e111267.

Strongin DE, et al. (2014) Nucleolar tethering mediates pairing between the IgH and Myc loci. *Nucleus (Austin, Tex.)*, 5(5), 474.

Kobayashi CA, et al. (2014) Bone response to fluoride exposure is influenced by genetics. *PloS one*, 9(12), e114343.