

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

B6129PF2/J

RRID:IMSR_JAX:100903

Type: Organism

Proper Citation

RRID:IMSR_JAX:100903

Organism Information

URL: <https://www.jax.org/strain/100903>

Proper Citation: RRID:IMSR_JAX:100903

Description: Mus musculus with name B6129PF2/J from IMSR.

Species: Mus musculus

Synonyms: (B6129F1/J A/A)F2. (C57BL/6J-A x 129P3/J)F2/J

Notes: gene symbol note: ; unclassified:

Catalog Number: JAX:100903

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6129PF2/J

Record Creation Time: 20250513T053915+0000

Record Last Update: 20260919T055058+0000

Ratings and Alerts

No rating or validation information has been found for B6129PF2/J.

No alerts have been found for B6129PF2/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 37 mentions in open access literature.

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

Turcu AL, et al. (2026) A brain-penetrant P2X7R antagonist mitigates Alzheimer's disease pathology. bioRxiv : the preprint server for biology.

Boff D, et al. (2025) Staphylococcus aureus LukMF' targets neutrophils to promote skin and soft tissue infection. Science advances, 11(27), eadr5240.

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

Shi W, et al. (2024) Lactic acid induces transcriptional repression of macrophage inflammatory response via histone acetylation. Cell reports, 43(2), 113746.

Yadav M, et al. (2023) Diisocyanates influence models of atopic dermatitis through direct activation of TRPA1. PloS one, 18(3), e0282569.

Betrie AH, et al. (2021) Zinc drives vasorelaxation by acting in sensory nerves, endothelium and smooth muscle. Nature communications, 12(1), 3296.

Herrera GA, et al. (2021) Glomerulopathic Light Chain-Mesangial Cell Interactions: Sortilin-Related Receptor (SORL1) and Signaling. Kidney international reports, 6(5), 1379.

Aria F, et al. (2020) Brain Structural and Functional Alterations in Mice Prenatally Exposed to LPS Are Only Partially Rescued by Anti-Inflammatory Treatment. Brain sciences, 10(9).

Mastinu A, et al. (2019) Gamma-oryzanol Prevents LPS-induced Brain Inflammation and Cognitive Impairment in Adult Mice. Nutrients, 11(4).

Rungratanawanich W, et al. (2019) ??-Oryzanol Improves Cognitive Function and Modulates Hippocampal Proteome in Mice. Nutrients, 11(4).

Griggs RB, et al. (2019) Methylglyoxal and a spinal TRPA1-AC1-Epac cascade facilitate pain in the db/db mouse model of type 2 diabetes. Neurobiology of disease, 127, 76.

Codrici E, et al. (2018) Caveolin-1-Knockout Mouse as a Model of Inflammatory Diseases. Journal of immunology research, 2018, 2498576.

Shepherd AJ, et al. (2018) Parathyroid Hormone-Related Peptide Elicits Peripheral TRPV1-dependent Mechanical Hypersensitivity. Frontiers in cellular neuroscience, 12, 38.

Shepherd AJ, et al. (2018) Angiotensin II Triggers Peripheral Macrophage-to-Sensory Neuron Redox Crosstalk to Elicit Pain. The Journal of neuroscience : the official journal of

the Society for Neuroscience, 38(32), 7032.

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

Gu SM, et al. (2016) CCR5 knockout suppresses experimental autoimmune encephalomyelitis in C57BL/6 mice. *Oncotarget*, 7(13), 15382.

Fernandes ES, et al. (2016) Environmental cold exposure increases blood flow and affects pain sensitivity in the knee joints of CFA-induced arthritic mice in a TRPA1-dependent manner. *Arthritis research & therapy*, 18, 7.

Gu L, et al. (2015) Pain inhibition by optogenetic activation of specific anterior cingulate cortical neurons. *PloS one*, 10(2), e0117746.

Gajowiak A, et al. (2015) Mice Overexpressing Both Non-Mutated Human SOD1 and Mutated SOD1(G93A) Genes: A Competent Experimental Model for Studying Iron Metabolism in Amyotrophic Lateral Sclerosis. *Frontiers in molecular neuroscience*, 8, 82.

Hermesh T, et al. (2012) Granulocyte colony-stimulating factor protects mice during respiratory virus infections. *PloS one*, 7(5), e37334.