

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

B6;129-Ppif^{tm1Jmol/J}

RRID:IMSR_JAX:009071

Type: Organism

Proper Citation

RRID:IMSR_JAX:009071

Organism Information

URL: <https://www.jax.org/strain/009071>

Proper Citation: RRID:IMSR_JAX:009071

Description: Mus musculus with name B6;129-Ppif^{tm1Jmol/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: peptidylprolyl isomerase F (cyclophilin F); mutant stock: Ppif

Affected Gene: peptidylprolyl isomerase F (cyclophilin F)

Genomic Alteration: targeted mutation 1; Jeffery D Molkentin

Catalog Number: JAX:009071

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Ppif^{tm1Jmol/J}

Record Creation Time: 20250513T053712+0000

Record Last Update: 20260808T050918+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Ppif^{tm1Jmol/J}.

No alerts have been found for B6;129-Ppif^{tm1Jmol/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Beutner G, et al. (2024) Coordinated metabolic responses to cyclophilin D deletion in the developing heart. *iScience*, 27(3), 109157.

Ashok D, et al. (2023) Mitochondrial membrane potential instability on reperfusion after ischemia does not depend on mitochondrial Ca²⁺ uptake. *The Journal of biological chemistry*, 299(6), 104708.

Phensy A, et al. (2020) Deletion of the Mitochondrial Matrix Protein CyclophilinD Prevents Parvalbumin Interneuron Dysfunction and Cognitive Deficits in a Mouse Model of NMDA Hypofunction. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(32), 6121.

Shares BH, et al. (2020) Inhibition of the mitochondrial permeability transition improves bone fracture repair. *Bone*, 137, 115391.

Sui S, et al. (2018) Cyclophilin D regulates neuronal activity-induced filopodiogenesis by fine-tuning dendritic mitochondrial calcium dynamics. *Journal of neurochemistry*, 146(4), 403.

Beck SJ, et al. (2016) Deregulation of mitochondrial F1FO-ATP synthase via OSCP in Alzheimer's disease. *Nature communications*, 7, 11483.