

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 29, 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: 20260829T045007+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 [SPARC SAWG](#) .

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.