

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

B6;129S-Ppp3r1^{tm2Grc}/J

RRID:IMSR_JAX:017692

Type: Organism

Proper Citation

RRID:IMSR_JAX:017692

Organism Information

URL: <https://www.jax.org/strain/017692>

Proper Citation: RRID:IMSR_JAX:017692

Description: Mus musculus with name B6;129S-Ppp3r1^{tm2Grc}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: protein phosphatase 3; regulatory subunit B; alpha isoform (calcineurin B; type I); mutant stock: Ppp3r1

Affected Gene: protein phosphatase 3; regulatory subunit B; alpha isoform (calcineurin B; type I)

Genomic Alteration: targeted mutation 2; Gerald R Crabtree

Catalog Number: JAX:017692

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S-Ppp3r1^{tm2Grc}/J

Record Creation Time: 20250513T053733+0000

Record Last Update: 20260815T050646+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Ppp3r1^{tm2Grc}/J.

No alerts have been found for B6;129S-Ppp3r1^{tm2Grc}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Berber M, et al. (2023) Calcineurin regulates aldosterone production via dephosphorylation of NFATC4. JCI insight, 8(14).

Peuker K, et al. (2022) Microbiota-dependent activation of the myeloid calcineurin-NFAT pathway inhibits B7H3- and B7H4-dependent anti-tumor immunity in colorectal cancer. Immunity, 55(4), 701.

Tapella L, et al. (2021) Deletion of calcineurin from astrocytes reproduces proteome signature of Alzheimer's disease and epilepsy and predisposes to seizures. Cell calcium, 100, 102480.

Marangoni F, et al. (2021) Expansion of tumor-associated Treg cells upon disruption of a CTLA-4-dependent feedback loop. Cell, 184(15), 3998.