

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

B6.129S6(D2)-Ptger4^{tm1.1Matb}/BreyJ

RRID:IMSR_JAX:028102

Type: Organism

Proper Citation

RRID:IMSR_JAX:028102

Organism Information

URL: <https://www.jax.org/strain/028102>

Proper Citation: RRID:IMSR_JAX:028102

Description: Mus musculus with name B6.129S6(D2)-Ptger4^{tm1.1Matb}/BreyJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: prostaglandin E receptor 4 (subtype EP4); mutant strain|congenic strain: Ptger4

Affected Gene: prostaglandin E receptor 4 (subtype EP4)

Genomic Alteration: targeted mutation 1.1; Matthew D Breyer

Catalog Number: JAX:028102

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S6(D2)-Ptger4^{tm1.1Matb}/BreyJ

Record Creation Time: 20250513T053803+0000

Record Last Update: 20260905T044540+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S6(D2)-Ptger4^{tm1.1Matb}/BreyJ.

No alerts have been found for B6.129S6(D2)-Ptger4^{tm1.1Matb}/BreyJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Wang YX, et al. (2025) Multiomic profiling reveals that prostaglandin E2 reverses aged muscle stem cell dysfunction, leading to increased regeneration and strength. Cell stem cell, 32(7), 1154.

Goepp M, et al. (2025) Age-related impairment of intestinal inflammation resolution through an eicosanoid-immune-microbiota axis. Cell host & microbe, 33(5), 671.

Mosleh E, et al. (2020) Ins1-Cre and Ins1-CreER Gene Replacement Alleles Are Susceptible To Silencing By DNA Hypermethylation. Endocrinology, 161(8).