

Resource Summary Report

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

B6;129-Procr^{tm1}(cre/ERT2)Yaz/J

RRID:IMSR_JAX:033052

Type: Organism

Proper Citation

RRID:IMSR_JAX:033052

Organism Information

URL: <https://www.jax.org/strain/033052>

Proper Citation: RRID:IMSR_JAX:033052

Description: Mus musculus with name B6;129-Procr^{tm1}(cre/ERT2)Yaz/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Procr/J

Notes: gene symbol note: protein C receptor; endothelial; mutant stock: Procr

Affected Gene: protein C receptor; endothelial

Genomic Alteration: targeted mutation 1; Yi Arial Zeng

Catalog Number: JAX:033052

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Procr^{tm1}(cre/ERT2)Yaz/J

Record Creation Time: 20250513T053833+0000

Record Last Update: 20260919T055016+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Procr^{tm1}(cre/ERT2)Yaz/J.

No alerts have been found for B6;129-Procr^{tm1}(cre/ERT2)Yaz/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Zhang Z, et al. (2026) Hematopoietic stem cells activate a latent differentiation pathway to facilitate recovery after 5-fluorouracil-induced myeloablation. *Developmental cell*, 61(5), 1044.

Zhu Q, et al. (2025) Procr+ chondroprogenitors sense mechanical stimuli to govern articular cartilage maintenance and regeneration. *Cell*.

Aldridge DL, et al. (2025) IL-27 limits HSPC differentiation during infection and protects from stem cell exhaustion. *eLife*, 14.

Ye H, et al. (2025) Distinct fibroblast assemblies establish scarless regeneration. *Cell reports*, 45(1), 116767.

Liu C, et al. (2024) Niche inflammatory signals control oscillating mammary regeneration and protect stem cells from cytotoxic stress. *Cell stem cell*, 31(1), 89.

Liu C, et al. (2022) Procr functions as a signaling receptor and is essential for the maintenance and self-renewal of mammary stem cells. *Cell reports*, 38(12), 110548.

Yu QC, et al. (2022) Activation of Wnt/??-catenin signaling by Zeb1 in endothelial progenitors induces vascular quiescence entry. *Cell reports*, 41(8), 111694.

Wang D, et al. (2020) Long-Term Expansion of Pancreatic Islet Organoids from Resident Procr+ Progenitors. *Cell*, 180(6), 1198.