

Resource Summary Report

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

STOCK Tg(Pbsn-cre)4Prb/J

RRID:IMSR_JAX:026662

Type: Organism

Proper Citation

RRID:IMSR_JAX:026662

Organism Information

URL: <https://www.jax.org/strain/026662>

Proper Citation: RRID:IMSR_JAX:026662

Description: Mus musculus with name STOCK Tg(Pbsn-cre)4Prb/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |probasin|transgene insertion 4; Pradip Roy-Burman; mutant stock: |Pbsn|Tg(Pbsn-cre)4Prb

Affected Gene: |probasin|transgene insertion 4; Pradip Roy-Burman

Genomic Alteration: transgene insertion 4; Pradip Roy-Burman

Catalog Number: JAX:026662

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Tg(Pbsn-cre)4Prb/J

Record Creation Time: 20250513T053757+0000

Record Last Update: 20260815T050709+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Pbsn-cre)4Prb/J.

No alerts have been found for STOCK Tg(Pbsn-cre)4Prb/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Zhou L, et al. (2026) p21-Positive Senescent Stromal Cells Promote Prostate Cancer Immune Suppression and Progression That Can Be Reversed by Senolytic Therapy. *Cancer discovery*, 16(3), 571.

Ji Y, et al. (2026) Serotonin Modulates Lineage Plasticity in Neuroendocrine Prostate Cancer via Epigenetic Reprogramming. *Cancer discovery*, 16(4), 760.

Friedman CA, et al. (2025) Synergistic Inhibition of Prostate Cancer Progression in Mice With a Combination of Curcumin and Ursolic Acid in the Diet. *Molecular carcinogenesis*, 64(9), 1487.

Pakula H, et al. (2024) Distinct mesenchymal cell states mediate prostate cancer progression. *Nature communications*, 15(1), 363.

Zhang Y, et al. (2024) Elevating PLK1 overcomes BETi resistance in prostate cancer via triggering BRD4 phosphorylation-dependent degradation in mitosis. *Cell reports*, 43(7), 114431.

Brady NJ, et al. (2021) Temporal evolution of cellular heterogeneity during the progression to advanced AR-negative prostate cancer. *Nature communications*, 12(1), 3372.

Wegner KA, et al. (2020) Prostate epithelial-specific expression of activated PI3K drives stromal collagen production and accumulation. *The Journal of pathology*, 250(2), 231.

Tremblay M, et al. (2020) Regulation of stem/progenitor cell maintenance by BMP5 in prostate homeostasis and cancer initiation. *eLife*, 9.

Malek M, et al. (2017) PTEN Regulates PI(3,4)P2 Signaling Downstream of Class I PI3K. *Molecular cell*, 68(3), 566.