

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

C57BL/6-Tg(TRAMP)8247Ng/J

RRID:IMSR_JAX:003135

Type: Organism

Proper Citation

RRID:IMSR_JAX:003135

Organism Information

URL: <https://www.jax.org/strain/003135>

Proper Citation: RRID:IMSR_JAX:003135

Description: Mus musculus with name C57BL/6-Tg(TRAMP)8247Ng/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: probasin|SV40 large T-antigen|transgene insertion 8247; Norman M Greenberg; coisogenic strain|mutant strain: Pb|TAg|Tg(TRAMP)8247Ng

Affected Gene: probasin|SV40 large T-antigen|transgene insertion 8247; Norman M Greenberg

Genomic Alteration: transgene insertion 8247; Norman M Greenberg

Catalog Number: JAX:003135

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(TRAMP)8247Ng/J

Record Creation Time: 20250513T053637+0000

Record Last Update: 20260725T044346+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(TRAMP)8247Ng/J.

No alerts have been found for C57BL/6-Tg(TRAMP)8247Ng/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Lin C, et al. (2025) Cholesterol metabolism regulated by CAMKK2-CREB signaling promotes castration-resistant prostate cancer. *Cell reports*, 44(6), 115792.

Sulsenti R, et al. (2024) Intracellular Osteopontin Promotes the Release of TNF α by Mast Cells to Restrain Neuroendocrine Prostate Cancer. *Cancer immunology research*, 12(9), 1147.

Maccarinelli F, et al. (2023) Iron supplementation enhances RSL3-induced ferroptosis to treat naïve and prevent castration-resistant prostate cancer. *Cell death discovery*, 9(1), 81.

Jia D, et al. (2022) Stromal FOXF2 suppresses prostate cancer progression and metastasis by enhancing antitumor immunity. *Nature communications*, 13(1), 6828.

Chiodelli P, et al. (2022) FGFR blockade by pemigatinib treats naïve and castration resistant prostate cancer. *Cancer letters*, 526, 217.

Jiang X, et al. (2022) Two-Stage SN38 Release from a Core-Shell Nanoparticle Enhances Tumor Deposition and Antitumor Efficacy for Synergistic Combination with Immune Checkpoint Blockade. *ACS nano*, 16(12), 21417.

Marhold M, et al. (2022) MALAT1 Fusions and Basal Cells Contribute to Primary Resistance against Androgen Receptor Inhibition in TRAMP Mice. *Cancers*, 14(3).

Linares JF, et al. (2022) The lactate-NAD $^{+}$ axis activates cancer-associated fibroblasts by downregulating p62. *Cell reports*, 39(6), 110792.

Klawon DEJ, et al. (2021) Altered selection on a single self-ligand promotes susceptibility to organ-specific T cell infiltration. *The Journal of experimental medicine*, 218(6).

Applegate CC, et al. (2021) Dietary tomato inhibits angiogenesis in TRAMP prostate cancer but is not protective with a Western-style diet in this pilot study. *Scientific reports*, 11(1), 18548.

Enriquez C, et al. (2021) Castration-Induced Downregulation of SPARC in Stromal Cells Drives Neuroendocrine Differentiation of Prostate Cancer. *Cancer research*, 81(16), 4257.

Tang SN, et al. (2021) Interception Targets of Angelica Gigas Nakai Root Extract versus Pyranocoumarins in Prostate Early Lesions and Neuroendocrine Carcinomas in TRAMP Mice. *Cancer prevention research (Philadelphia, Pa.)*, 14(6), 635.

Barr AM, et al. (2020) Therapeutic ISCOMATRIX™ adjuvant vaccine elicits effective anti-tumor immunity in the TRAMP-C1 mouse model of prostate cancer. *Cancer immunology, immunotherapy* : CII, 69(10), 1959.

Kazmierczak RA, et al. (2020) Evaluations of CRC2631 toxicity, tumor colonization, and genetic stability in the TRAMP prostate cancer model. *Oncotarget*, 11(44), 3943.

Miller CH, et al. (2020) Eomes identifies thymic precursors of self-specific memory-phenotype CD8+ T cells. *Nature immunology*, 21(5), 567.

Singh CK, et al. (2020) Quercetin-Resveratrol Combination for Prostate Cancer Management in TRAMP Mice. *Cancers*, 12(8).

Simons BW, et al. (2019) PSMA expression in the Hi-Myc model; extended utility of a representative model of prostate adenocarcinoma for biological insight and as a drug discovery tool. *The Prostate*, 79(6), 678.

Dan C, et al. (2019) HNF1B expression regulates ECI2 gene expression, potentially serving a role in prostate cancer progression. *Oncology letters*, 17(1), 1094.

Miyazaki T, et al. (2018) Extracellular vesicle-mediated EBAG9 transfer from cancer cells to tumor microenvironment promotes immune escape and tumor progression. *Oncogenesis*, 7(1), 7.

Chatterjee S, et al. (2018) CD38-NAD⁺Axis Regulates Immunotherapeutic Anti-Tumor T Cell Response. *Cell metabolism*, 27(1), 85.