

Resource Summary Report

Generated by T1D on Sep 20, 2026

STOCK Tg(Krt8-cre/ERT2)17Blpn/J

RRID:IMSR_JAX:017947

Type: Organism

Proper Citation

RRID:IMSR_JAX:017947

Organism Information

URL: <https://www.jax.org/strain/017947>

Proper Citation: RRID:IMSR_JAX:017947

Description: Mus musculus with name STOCK Tg(Krt8-cre/ERT2)17Blpn/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 17; Cedric Blanpain|keratin 8|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant stock: Tg(Krt8-cre/ERT2)17Blpn|Krt8|cre/ERT2

Affected Gene: transgene insertion 17; Cedric Blanpain|keratin 8|Cre recombinase and estrogen receptor 1 (human) fusion gene

Genomic Alteration: transgene insertion 17; Cedric Blanpain

Catalog Number: JAX:017947

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Krt8-cre/ERT2)17Blpn/J

Record Creation Time: 20250513T053735+0000

Record Last Update: 20260919T054922+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Krt8-cre/ERT2)17Blpn/J.

No alerts have been found for STOCK Tg(Krt8-cre/ERT2)17Blpn/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Madhukaran S, et al. (2026) Olfactomedin4 marks luminal progenitor cells that give rise to secretory cell lineage in the mouse cervix. bioRxiv : the preprint server for biology.

Molinuevo R, et al. (2024) Physiological DNA damage promotes functional endoreplication of mammary gland alveolar cells during lactation. Nature communications, 15(1), 3288.

Mohamed GA, et al. (2023) Lineage plasticity enables low-ER luminal tumors to evolve and gain basal-like traits. Breast cancer research : BCR, 25(1), 23.

Chatzeli L, et al. (2023) A cellular hierarchy of Notch and Kras signaling controls cell fate specification in the developing mouse salivary gland. Developmental cell, 58(2), 94.

Moorhouse AJ, et al. (2022) The BASP1 transcriptional corepressor modifies chromatin through lipid-dependent and lipid-independent mechanisms. iScience, 25(8), 104796.

Shibata M, et al. (2020) Bipotent Progenitors Do Not Require Androgen Receptor for Luminal Specification during Prostate Organogenesis. Stem cell reports, 15(5), 1026.

Prescott SL, et al. (2020) An Airway Protection Program Revealed by Sweeping Genetic Control of Vagal Afferents. Cell, 181(3), 574.

Seldin L, et al. (2020) DNA Damage Promotes Epithelial Hyperplasia and Fate Mis-specification via Fibroblast Inflammasome Activation. Developmental cell, 55(5), 558.

Choi J, et al. (2020) Inflammatory Signals Induce AT2 Cell-Derived Damage-Associated Transient Progenitors that Mediate Alveolar Regeneration. Cell stem cell, 27(3), 366.

Ognjenovic NB, et al. (2020) Limiting Self-Renewal of the Basal Compartment by PKA Activation Induces Differentiation and Alters the Evolution of Mammary Tumors. Developmental cell, 55(5), 544.

Fan X, et al. (2018) Single Cell and Open Chromatin Analysis Reveals Molecular Origin of Epidermal Cells of the Skin. Developmental cell, 47(1), 21.

Tao L, et al. (2017) Induced p53 loss in mouse luminal cells causes clonal expansion and development of mammary tumours. Nature communications, 8, 14431.

Skyberg R, et al. (2017) Maintenance of Mouse Gustatory Terminal Field Organization Is Disrupted following Selective Removal of Peripheral Sodium Salt Taste Activity at Adulthood. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(32), 7619.

Chua CW, et al. (2014) Single luminal epithelial progenitors can generate prostate organoids in culture. Nature cell biology, 16(10), 951.