

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

B6N.129S6(Cg)-Krt5^{tm1.1}(cre/ERT2)Blh/J

RRID:IMSR_JAX:029155

Type: Organism

Proper Citation

RRID:IMSR_JAX:029155

Organism Information

URL: <https://www.jax.org/strain/029155>

Proper Citation: RRID:IMSR_JAX:029155

Description: Mus musculus with name B6N.129S6(Cg)-Krt5^{tm1.1}(cre/ERT2)Blh/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|keratin 5; mutant strain|congenic strain: cre/ERT2|Krt5

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene|keratin 5

Genomic Alteration: targeted mutation 1.1; Brigid L Hogan

Catalog Number: JAX:029155

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6N.129S6(Cg)-Krt5^{tm1.1}(cre/ERT2)Blh/J

Record Creation Time: 20250513T053807+0000

Record Last Update: 20260829T045114+0000

Ratings and Alerts

No rating or validation information has been found for B6N.129S6(Cg)-Krt5^{tm1.1(cre/ERT2)Blh/J}.

No alerts have been found for B6N.129S6(Cg)-Krt5^{tm1.1(cre/ERT2)Blh/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Descampe L, et al. (2026) Intrinsic mechanisms and microenvironmental cues fine-tune plasticity of esophageal progenitors. *Nature communications*, 17(1).

Tumanov AV, et al. (2026) Lymphotoxin-beta receptor controls the development of chronic pain. *Cell reports*, 45(4), 117269.

Journot RP, et al. (2025) Conserved signals control self-organization and symmetry breaking of murine bilayered epithelia during development and regeneration. *Developmental cell*.

Cox D, et al. (2025) Stem cell CNTF promotes olfactory epithelial neuroregeneration and functional recovery following injury. *Stem cells (Dayton, Ohio)*, 43(8).

Schwartz L, et al. (2024) Insulin receptor signaling engages bladder urothelial defenses that limit urinary tract infection. *Cell reports*, 43(4), 114007.

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.

Vercauteren Drubbel A, et al. (2023) Single-cell transcriptomics uncovers the differentiation of a subset of murine esophageal progenitors into taste buds in vivo. *Science advances*, 9(10), eadd9135.

Harbour JC, et al. (2023) T helper 1 effector memory CD4⁺ T cells protect the skin from poxvirus infection. *Cell reports*, 42(5), 112407.

Wang Q, et al. (2023) Hedgehog receptors exert immune-surveillance roles in the epidermis across species. *Cell reports*, 42(8), 112929.

Frascoli M, et al. (2023) Skin ?? T cell inflammatory responses are hardwired in the thymus by oxysterol sensing via GPR183 and calibrated by dietary cholesterol. *Immunity*, 56(3), 562.

- Lu C, et al. (2022) RNF43/ZNRF3 negatively regulates taste tissue homeostasis and positively regulates dorsal lingual epithelial tissue homeostasis. *Stem cell reports*, 17(2), 369.
- Weiner AI, et al. (2022) ?Np63 drives dysplastic alveolar remodeling and restricts epithelial plasticity upon severe lung injury. *Cell reports*, 41(11), 111805.
- Hanasoge Somasundara AV, et al. (2021) Parity-induced changes to mammary epithelial cells control NKT cell expansion and mammary oncogenesis. *Cell reports*, 37(10), 110099.
- Vercauteren Drubbel A, et al. (2021) Reactivation of the Hedgehog pathway in esophageal progenitors turns on an embryonic-like program to initiate columnar metaplasia. *Cell stem cell*, 28(8), 1411.
- Ohmoto M, et al. (2020) SOX2 regulates homeostasis of taste bud cells and lingual epithelial cells in posterior tongue. *PloS one*, 15(10), e0240848.
- 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.
- Seldin L, et al. (2020) DNA Damage Promotes Epithelial Hyperplasia and Fate Mis-specification via Fibroblast Inflammasome Activation. *Developmental cell*, 55(5), 558.
- Tremblay M, et al. (2020) Regulation of stem/progenitor cell maintenance by BMP5 in prostate homeostasis and cancer initiation. *eLife*, 9.
- Wang ECE, et al. (2019) A Subset of TREM2+ Dermal Macrophages Secretes Oncostatin M to Maintain Hair Follicle Stem Cell Quiescence and Inhibit Hair Growth. *Cell stem cell*, 24(4), 654.