

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 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: keratin 5|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant strain|congenic strain: Krt5|cre/ERT2

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

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: 20260725T044513+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 17 mentions in open access literature.

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

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.

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.

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.

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.

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

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

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.