

Resource Summary Report

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

STOCK Tg(KRT14-cre/ERT)20Efu/J

RRID:IMSR_JAX:005107

Type: Organism

Proper Citation

RRID:IMSR_JAX:005107

Organism Information

URL: <https://www.jax.org/strain/005107>

Proper Citation: RRID:IMSR_JAX:005107

Description: Mus musculus with name STOCK Tg(KRT14-cre/ERT)20Efu/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Tg(KRT14-cre/Esr1)20Efu. STOCK Tg(KRT14-cre/Esr1)20Efu/J

Notes: gene symbol note: transgene insertion 20; Elaine Fuchs||keratin 14; mutant stock: Tg(KRT14-cre/ERT)20Efu||KRT14

Affected Gene: transgene insertion 20; Elaine Fuchs||keratin 14

Genomic Alteration: transgene insertion 20; Elaine Fuchs

Catalog Number: JAX:005107

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Tg(KRT14-cre/ERT)20Efu/J

Record Creation Time: 20250513T053648+0000

Record Last Update: 20260725T044358+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(KRT14-cre/ERT)20Efu/J.

No alerts have been found for STOCK Tg(KRT14-cre/ERT)20Efu/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](#) .

Chen Z, et al. (2026) Fibroblast-derived alarmin promotes oral wound healing by activating regulatory T cells that relay pro-angiogenic and anti-inflammatory responses. *Cell reports*, 45(1), 116829.

Canato S, et al. (2025) Survivin Promotes Stem Cell Competence for Skin Cancer Initiation. *Cancer discovery*, 15(2), 427.

Sahu P, et al. (2025) Mechanical control of cell fate decisions in the skin epidermis. *Nature communications*, 16(1), 8440.

Jang J, et al. (2025) Deciphering Precursor Cell Dynamics in Esophageal Preneoplasia via Genetic Barcoding and Single-Cell Transcriptomics. *bioRxiv* : the preprint server for biology.

Whiddon ZD, et al. (2023) Rapid structural remodeling of peripheral taste neurons is independent of taste cell turnover. *PLoS biology*, 21(8), e3002271.

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.

Jiang C, et al. (2021) Mechanochemical control of epidermal stem cell divisions by B-plexins. *Nature communications*, 12(1), 1308.

Wong HY, et al. (2021) Whole-mount staining coupled to a UV-inducible basal cell carcinoma murine model. *STAR protocols*, 2(1), 100329.

Zhang W, et al. (2021) Targeting KDM4A epigenetically activates tumor-cell-intrinsic immunity by inducing DNA replication stress. *Molecular cell*, 81(10), 2148.

Hirai T, et al. (2021) Competition for Active TGF β Cytokine Allows for Selective Retention of Antigen-Specific Tissue- Resident Memory T Cells in the Epidermal Niche. *Immunity*, 54(1), 84.

Floerchinger A, et al. (2021) Optimizing metastatic-cascade-dependent Rac1 targeting in breast cancer: Guidance using optical window intravital FRET imaging. *Cell reports*, 36(11), 109689.

Kato T, et al. (2021) Dynamic stem cell selection safeguards the genomic integrity of the epidermis. *Developmental cell*, 56(24), 3309.

Lisse TS, et al. (2020) GDNF promotes hair formation and cutaneous wound healing by targeting bulge stem cells. *NPJ Regenerative medicine*, 5, 13.

Kerns ML, et al. (2020) Pathogenic and therapeutic role for NRF2 signaling in ultraviolet light-induced skin pigmentation. *JCI insight*, 5(20).

Dekoninck S, et al. (2020) Defining the Design Principles of Skin Epidermis Postnatal Growth. *Cell*, 181(3), 604.

Ali A, et al. (2020) Cell Lineage Tracing Identifies Hormone-Regulated and Wnt-Responsive Vaginal Epithelial Stem Cells. *Cell reports*, 30(5), 1463.

Villarreal-Ponce A, et al. (2020) Keratinocyte-Macrophage Crosstalk by the Nrf2/Ccl2/EGF Signaling Axis Orchestrates Tissue Repair. *Cell reports*, 33(8), 108417.

Roy E, et al. (2020) Regional Variation in Epidermal Susceptibility to UV-Induced Carcinogenesis Reflects Proliferative Activity of Epidermal Progenitors. *Cell reports*, 31(9), 107702.

Jia L, et al. (2020) BMI1 Inhibition Eliminates Residual Cancer Stem Cells after PD1 Blockade and Activates Antitumor Immunity to Prevent Metastasis and Relapse. *Cell stem cell*, 27(2), 238.

Jones KB, et al. (2019) Quantitative Clonal Analysis and Single-Cell Transcriptomics Reveal Division Kinetics, Hierarchy, and Fate of Oral Epithelial Progenitor Cells. *Cell stem cell*, 24(1), 183.