# Resource Summary Report

Generated by RRID on Jul 29, 2026

## STOCK Lrig1$^{tm1.1(cre/ERT2)Rjc}$/J

RRID:IMSR_JAX:018418
Type: Organism

### Proper Citation

RRID:IMSR_JAX:018418

### Organism Information

**URL:** https://www.jax.org/strain/018418

**Proper Citation:** RRID:IMSR_JAX:018418

**Description:** Mus musculus with name STOCK Lrig1$^{tm1.1(cre/ERT2)Rjc}$/J from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.129S6(Cg)-Lrig1/J

**Notes:** gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|leucine-rich repeats and immunoglobulin-like domains 1; mutant stock: cre/ERT2|Lrig1

**Affected Gene:** Cre recombinase and estrogen receptor 1 (human) fusion gene|leucine-rich repeats and immunoglobulin-like domains 1

**Genomic Alteration:** targeted mutation 1.1; Robert J Coffey

**Catalog Number:** JAX:018418

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** STOCK Lrig1$^{tm1.1(cre/ERT2)Rjc}$/J

**Record Creation Time:** 20250513T053737+0000

**Record Last Update:** 20260725T044446+0000

### Ratings and Alerts

No rating or validation information has been found for STOCK Lrig1$^{tm1.1(cre/ERT2)Rjc}/J$.

No alerts have been found for STOCK Lrig1$^{tm1.1(cre/ERT2)Rjc}/J$.

## Data and Source Information

**Source:** Integrated Animals

**Source Database:** JAX Mice and Services

## Usage and Citation Metrics

We found 10 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID .


Pilat JM, et al. (2023) SELENOP modifies sporadic colorectal carcinogenesis and WNT signaling activity through LRP5/6 interactions. The Journal of clinical investigation, 133(13).

Liu CY, et al. (2023) Wound-healing plasticity enables clonal expansion of founder progenitor cells in colitis. Developmental cell, 58(21), 2309.

Sakamoto K, et al. (2021) Disruption of the endopeptidase ADAM10-Notch signaling axis leads to skin dysbiosis and innate lymphoid cell-mediated hair follicle destruction. Immunity, 54(10), 2321.

Farrelly O, et al. (2021) Two-photon live imaging of single corneal stem cells reveals compartmentalized organization of the limbal niche. Cell stem cell, 28(7), 1233.

Bensard CL, et al. (2020) Regulation of Tumor Initiation by the Mitochondrial Pyruvate Carrier. Cell metabolism, 31(2), 284.

Jeong D, et al. (2020) LRIG1-Mediated Inhibition of EGF Receptor Signaling Regulates Neural Precursor Cell Proliferation in the Neocortex. Cell reports, 33(2), 108257.

Cheung P, et al. (2020) Regenerative Reprogramming of the Intestinal Stem Cell State via Hippo Signaling Suppresses Metastatic Colorectal Cancer. Cell stem cell, 27(4), 590.

Li Q, et al. (2020) Lats1/2 Sustain Intestinal Stem Cells and Wnt Activation through TEAD-Dependent and Independent Transcription. Cell stem cell, 26(5), 675.

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.

Herring CA, et al. (2018) Unsupervised Trajectory Analysis of Single-Cell RNA-Seq and Imaging Data Reveals Alternative Tuft Cell Origins in the Gut. Cell systems, 6(1), 37.