

Resource Summary Report

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

STOCK Gli1^{tm3}(cre/ERT2)Alj/J

RRID:IMSR_JAX:007913

Type: Organism

Proper Citation

RRID:IMSR_JAX:007913

Organism Information

URL: <https://www.jax.org/strain/007913>

Proper Citation: RRID:IMSR_JAX:007913

Description: Mus musculus with name STOCK Gli1^{tm3}(cre/ERT2)Alj/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Gli1/J

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|GLI-Kruppel family member GLI1; mutant stock: cre/ERT2|Gli1

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene|GLI-Kruppel family member GLI1

Genomic Alteration: targeted mutation 3; Alexandra L Joyner

Catalog Number: JAX:007913

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Gli1^{tm3}(cre/ERT2)Alj/J

Record Creation Time: 20250513T053704+0000

Record Last Update: 20260725T044416+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Gli1^{tm3(cre/ERT2)Alj/J}.

No alerts have been found for STOCK Gli1^{tm3(cre/ERT2)Alj/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Dang K, et al. (2025) Mesenchymal Hippo signaling regulates intestinal homeostasis in adult mice. *iScience*, 28(2), 111847.

Kong W, et al. (2025) Neuroendocrine cells orchestrate regeneration through Desert hedgehog signaling. *Cell*, 188(18), 5020.

Scharpf BR, et al. (2025) Prostatic Escherichia coli infection drives CCR2-dependent recruitment of fibrocytes and collagen production. *Disease models & mechanisms*, 18(1).

Khadim A, et al. (2025) Myofibroblasts emerge during alveolar regeneration following influenza-virus-induced lung injury. *Cell reports*, 44(2), 115248.

Yu J, et al. (2025) Tracing the origin of testosterone-producing Leydig cells during pubertal development, homeostasis, and regeneration. *Cell reports*, 44(12), 116674.

Pritchard JE, et al. (2024) Non-canonical Hedgehog signaling mediates profibrotic hematopoiesis-stroma crosstalk in myeloproliferative neoplasms. *Cell reports*, 43(1), 113608.

Drake AW, et al. (2024) Somatostatin interneuron fate-mapping and structure in a Pten knockout model of epilepsy. *Frontiers in cellular neuroscience*, 18, 1474613.

Guo T, et al. (2024) Vascular architecture regulates mesenchymal stromal cell heterogeneity via P53-PDGF signaling in the mouse incisor. *Cell stem cell*, 31(6), 904.

Pei F, et al. (2024) Sensory nerve regulates progenitor cells via FGF-SHH axis in tooth root morphogenesis. *Development (Cambridge, England)*, 151(2).

Altrieth AL, et al. (2023) Identifying fibrogenic cells following salivary gland obstructive injury. *Frontiers in cell and developmental biology*, 11, 1190386.

Altrieth AL, et al. (2023) Identifying Fibrogenic Cells Following Salivary Gland Obstructive Injury. *bioRxiv : the preprint server for biology*.

Chao AS, et al. (2023) 20-??Hydroxycholesterol, an oxysterol in human breast milk, reverses mouse neonatal white matter injury through Gli-dependent oligodendrogenesis. *Cell stem cell*, 30(8), 1054.

Sun XL, et al. (2023) Stem cell competition driven by the Axin2-p53 axis controls brain size during murine development. *Developmental cell*, 58(9), 744.

Sarkaria SM, et al. (2023) Systematic dissection of coordinated stromal remodeling identifies Sox10+ glial cells as a therapeutic target in myelofibrosis. *Cell stem cell*, 30(6), 832.

Dusing M, et al. (2023) Neurovascular Development in Pten and Tsc2 Mouse Mutants. *eNeuro*, 10(2).

Bornstein B, et al. (2023) Molecular characterization of the intact mouse muscle spindle using a multi-omics approach. *eLife*, 12.

Yu F, et al. (2022) Identification and characterization of NFATc1+ skeletal stem cells in bone regeneration. *Cell reports*, 41(6), 111599.

Lyu H, et al. (2022) Niche-mediated repair of airways is directed in an occupant-dependent manner. *Cell reports*, 41(12), 111863.

Gao F, et al. (2022) Hedgehog-responsive PDGFRa(+) fibroblasts maintain a unique pool of alveolar epithelial progenitor cells during alveologenesis. *Cell reports*, 39(1), 110608.

Cotton JL, et al. (2022) PTEN and LKB1 are differentially required in Gli1-expressing mesenchymal cells to suppress gastrointestinal polyposis. *Cell reports*, 40(3), 111125.