

Resource Summary Report

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B6.Cg-Shh^{tm1(EGFP/cre)}Cjt/J

RRID:IMSR_JAX:005622

Type: Organism

Proper Citation

RRID:IMSR_JAX:005622

Organism Information

URL: <https://www.jax.org/strain/005622>

Proper Citation: RRID:IMSR_JAX:005622

Description: Mus musculus with name B6.Cg-Shh^{tm1(EGFP/cre)}Cjt/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S-Shh/J

Notes: gene symbol note: |sonic hedgehog; mutant strain|congenic strain: |Shh

Affected Gene: |sonic hedgehog

Genomic Alteration: targeted mutation 1; Clifford J Tabin

Catalog Number: JAX:005622

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Shh^{tm1(EGFP/cre)}Cjt/J

Record Creation Time: 20250513T053651+0000

Record Last Update: 20260815T050559+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Shh^{tm1(EGFP/cre)}Cjt/J.

No alerts have been found for B6.Cg-Shh^{tm1(EGFP/cre)}Cjt/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Zhang Y, et al. (2026) Stem cell control in the lung by an autocrine injury-activated Igf complex. Science (New York, N.Y.), 392(6795), eadt1310.

Mu R, et al. (2026) Yap mediates Hippo signaling to balance proliferation and differentiation in the developing glandular stomach epithelium. Cell reports, 45(7), 117644.

Paramore SV, et al. (2024) Vangl-dependent mesenchymal thinning shapes the distal lung during murine sacculation. Developmental cell, 59(10), 1302.

Hall ET, et al. (2024) Cytoneme signaling provides essential contributions to mammalian tissue patterning. Cell, 187(2), 276.

Gómez HF, et al. (2023) Time-lapse and cleared imaging of mouse embryonic lung explants to study three-dimensional cell morphology and topology dynamics. STAR protocols, 4(2), 102187.

He H, et al. (2023) PRDM3/16 Regulate Chromatin Accessibility Required for NKX2-1 Mediated Alveolar Epithelial Differentiation and Function. bioRxiv : the preprint server for biology.

Zhang K, et al. (2022) Wnt5a-Vangl1/2 signaling regulates the position and direction of lung branching through the cytoskeleton and focal adhesions. PLoS biology, 20(8), e3001759.

Zhang K, et al. (2022) mTORC1 signaling facilitates differential stem cell differentiation to shape the developing murine lung and is associated with mitochondrial capacity. Nature communications, 13(1), 7252.

Tang XZ, et al. (2022) Bronchus-associated macrophages efficiently capture and present soluble inhaled antigens and are capable of local Th2 cell activation. eLife, 11.

Ramachandran J, et al. (2022) Hedgehog regulation of epithelial cell state and morphogenesis in the larynx. eLife, 11.

Zhu J, et al. (2022) Sonic hedgehog is not a limb morphogen but acts as a trigger to specify all digits in mice. Developmental cell, 57(17), 2048.

Xie C, et al. (2021) Endoderm development requires centrioles to restrain p53-mediated apoptosis in the absence of ERK activity. Developmental cell, 56(24), 3334.

Kiyokawa H, et al. (2021) Airway basal stem cells reutilize the embryonic proliferation regulator, Tgf β -Id2 axis, for tissue regeneration. *Developmental cell*, 56(13), 1917.

Pourchet O, et al. (2021) Loss of floor plate Netrin-1 impairs midline crossing of corticospinal axons and leads to mirror movements. *Cell reports*, 34(3), 108654.

Rankin SA, et al. (2021) Tbx5 drives Aldh1a2 expression to regulate a RA-Hedgehog-Wnt gene regulatory network coordinating cardiopulmonary development. *eLife*, 10.

Brignani S, et al. (2020) Remotely Produced and Axon-Derived Netrin-1 Instructs GABAergic Neuron Migration and Dopaminergic Substantia Nigra Development. *Neuron*, 107(4), 684.

Li C, et al. (2020) Comprehensive transcriptome analysis of cochlear spiral ganglion neurons at multiple ages. *eLife*, 9.

Sadier A, et al. (2019) Modeling Edar expression reveals the hidden dynamics of tooth signaling center patterning. *PLoS biology*, 17(2), e3000064.

Joseph DB, et al. (2019) Epithelial DNA methyltransferase-1 regulates cell survival, growth and maturation in developing prostatic buds. *Developmental biology*, 447(2), 157.

Wu Z, et al. (2019) Long-Range Guidance of Spinal Commissural Axons by Netrin1 and Sonic Hedgehog from Midline Floor Plate Cells. *Neuron*, 101(4), 635.