Resource Summary Report

Generated by NIF on Aug 30, 2026

B6;129-Shh^{tm2Amc}/J

RRID:IMSR_JAX:004293
Type: Organism

Proper Citation

RRID:IMSR_JAX:004293

Organism Information

URL: https://www.jax.org/strain/004293

Proper Citation: RRID:IMSR_JAX:004293

Description: Mus musculus with name B6;129-Shh^{tm2Amc}/J from IMSR.

Species: Mus musculus

Synonyms: 129-Shh/J

Notes: gene symbol note: sonic hedgehog; mutant stock: Shh

Affected Gene: sonic hedgehog

Genomic Alteration: targeted mutation 2; Andrew P McMahon

Catalog Number: JAX:004293

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Shh^{tm2Amc}/J

Record Creation Time: 20250513T053644+0000

Record Last Update: 20260829T044934+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Shh^{tm2Amc}/J.

No alerts have been found for B6;129-Shh^{tm2Amc}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Serowoky MA, et al. (2022) A murine model of large-scale bone regeneration reveals a selective requirement for Sonic Hedgehog. NPJ Regenerative medicine, 7(1), 30.

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

Turcato FC, et al. (2022) Dopaminergic neurons are not a major Sonic hedgehog ligand source for striatal cholinergic or PV interneurons. iScience, 25(11), 105278.

Somaiya RD, et al. (2022) Sonic hedgehog-dependent recruitment of GABAergic interneurons into the developing visual thalamus. eLife, 11.

Xie Y, et al. (2022) Astrocyte-neuron crosstalk through Hedgehog signaling mediates cortical synapse development. Cell reports, 38(8), 110416.

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.

Wagstaff LJ, et al. (2021) Failures of nerve regeneration caused by aging or chronic denervation are rescued by restoring Schwann cell c-Jun. eLife, 10.

Shwartz Y, et al. (2020) Cell Types Promoting Goosebumps Form a Niche to Regulate Hair Follicle Stem Cells. Cell, 182(3), 578.

Firulli BA, et al. (2017) Defective Hand1 phosphoregulation uncovers essential roles for Hand1 in limb morphogenesis. Development (Cambridge, England), 144(13), 2480.

Fogel JL, et al. (2017) A minimally sufficient model for rib proximal-distal patterning based on genetic analysis and agent-based simulations. eLife, 6.

Castillo-Azofeifa D, et al. (2017) Sonic hedgehog from both nerves and epithelium is a key trophic factor for taste bud maintenance. Development (Cambridge, England), 144(17), 3054.

Jin Y, et al. (2015) The shh signaling pathway is upregulated in multiple cell types in cortical ischemia and influences the outcome of stroke in an animal model. PloS one, 10(4), e0124657.