Resource Summary Report

Generated by NIF on Sep 18, 2026

STOCK Tg(Sox9-cre/ERT2)1Msan/J

RRID:IMSR_JAX:018829
Type: Organism

Proper Citation

RRID:IMSR_JAX:018829

Organism Information

URL: https://www.jax.org/strain/018829

Proper Citation: RRID:IMSR_JAX:018829

Description: Mus musculus with name STOCK Tg(Sox9-cre/ERT2)1Msan/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|SRY (sex determining region Y)-box 9|transgene insertion 1; Maike Sander; mutant stock: cre/ERT2|Sox9|Tg(Sox9-cre/ERT2)1Msan

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene|SRY (sex determining region Y)-box 9|transgene insertion 1; Maike Sander

Genomic Alteration: transgene insertion 1; Maike Sander

Catalog Number: JAX:018829

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Sox9-cre/ERT2)1Msan/J

Record Creation Time: 20250513T053738+0000

Record Last Update: 20260912T060525+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Sox9-cre/ERT2)1Msan/J.

No alerts have been found for STOCK Tg(Sox9-cre/ERT2)1Msan/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

He B, et al. (2024) Epigenetic priming targets tumor heterogeneity to shift transcriptomic phenotype of pancreatic ductal adenocarcinoma towards a Vitamin D susceptible state. Cell death & disease, 15(1), 89.

Barnes CC, et al. (2023) Conditional Ablation of Glucocorticoid and Mineralocorticoid Receptors from Cochlear Supporting Cells Reveals Their Differential Roles for Hearing Sensitivity and Dynamics of Recovery from Noise-Induced Hearing Loss. International journal of molecular sciences, 24(4).

Ferguson LP, et al. (2023) Smarcd3 is an epigenetic modulator of the metabolic landscape in pancreatic ductal adenocarcinoma. Nature communications, 14(1), 292.

Watanabe G, et al. (2023) Chronological Changes in the Expression and Localization of Sox9 between Achilles Tendon Injury and Functional Recovery in Mice. International journal of molecular sciences, 24(14).

Zhang K, et al. (2022) Acquisition of cellular properties during alveolar formation requires differential activity and distribution of mitochondria. eLife, 11.

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.

Yanowski E, et al. (2022) Physically interacting beta-delta pairs in the regenerating pancreas revealed by single-cell sequencing. Molecular metabolism, 60, 101467.

Iyer AA, et al. (2022) Cellular reprogramming with ATOH1, GFI1, and POU4F3 implicate epigenetic changes and cell-cell signaling as obstacles to hair cell regeneration in mature mammals. eLife, 11.

Zhang H, et al. (2021) Spatiotemporal dynamic changes, proliferation, and differentiation characteristics of Sox9-positive cells after severe complete transection spinal cord injury. Experimental neurology, 337, 113556.

Liu S, et al. (2021) Metabolic nuclear receptors coordinate energy metabolism to regulate Sox9+ hepatocyte fate. iScience, 24(9), 103003.

Chen S, et al. (2021) Renal subcapsular delivery of PGE2 promotes kidney repair by activating endogenous Sox9+ stem cells. iScience, 24(11), 103243.

Hendley AM, et al. (2021) Single-cell transcriptome analysis defines heterogeneity of the murine pancreatic ductal tree. eLife, 10.

Ideno H, et al. (2020) G9a is involved in the regulation of cranial bone formation through activation of Runx2 function during development. Bone, 137, 115332.

Ma R, et al. (2020) Metabolic and non-metabolic liver zonation is established non-synchronously and requires sinusoidal Wnts. eLife, 9.

Zhang K, et al. (2020) A mammalian Wnt5a-Ror2-Vangl2 axis controls the cytoskeleton and confers cellular properties required for alveologenesis. eLife, 9.

Park J, et al. (2020) WWC1 and NF2 Prevent the Development of Intrahepatic Cholangiocarcinoma by Regulating YAP/TAZ Activity through LATS in Mice. Molecules and cells, 43(5), 491.

Seymour PA, et al. (2020) Jag1 Modulates an Oscillatory Dll1-Notch-Hes1 Signaling Module to Coordinate Growth and Fate of Pancreatic Progenitors. Developmental cell, 52(6), 731.

Li W, et al. (2019) A Homeostatic Arid1a-Dependent Permissive Chromatin State Licenses Hepatocyte Responsiveness to Liver-Injury-Associated YAP Signaling. Cell stem cell, 25(1), 54.

Scavuzzo MA, et al. (2018) Endocrine lineage biases arise in temporally distinct endocrine progenitors during pancreatic morphogenesis. Nature communications, 9(1), 3356.

Wuidart A, et al. (2016) Quantitative lineage tracing strategies to resolve multipotency in tissue-specific stem cells. Genes & development, 30(11), 1261.