

Resource Summary Report

Generated by [NIF](#) on Sep 3, 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: 20260829T045040+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.

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).

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

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).

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.