

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

B6.129S7-Sox9^{tm2Crm}/J

RRID:IMSR_JAX:013106

Type: Organism

Proper Citation

RRID:IMSR_JAX:013106

Organism Information

URL: <https://www.jax.org/strain/013106>

Proper Citation: RRID:IMSR_JAX:013106

Description: Mus musculus with name B6.129S7-Sox9^{tm2Crm}/J from IMSR.

Species: Mus musculus

Synonyms: B6J;129S7-Sox9/J. B6.129S7-Sox9/J

Notes: gene symbol note: SRY (sex determining region Y)-box 9; mutant strain|congenic strain: Sox9

Affected Gene: SRY (sex determining region Y)-box 9

Genomic Alteration: targeted mutation 2; Benoit de Crombrughe

Catalog Number: JAX:013106

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S7-Sox9^{tm2Crm}/J

Record Creation Time: 20250513T053724+0000

Record Last Update: 20260815T050640+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Sox9^{tm2Crm}/J.

No alerts have been found for B6.129S7-Sox9^{tm2Crm/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Hrncir HR, et al. (2025) Sox9 inhibits Activin A to promote biliary maturation and branching morphogenesis. *Nature communications*, 16(1), 1667.

Rivera-Gonzalez GC, et al. (2025) Comparative single-cell lineage tracing identifies distinct adipocyte precursor dynamics in skin and inguinal fat. *Cell stem cell*, 32(8), 1267.

Chen L, et al. (2023) TGFB1 induces fetal reprogramming and enhances intestinal regeneration. *Cell stem cell*, 30(11), 1520.

Liu Y, et al. (2023) A SOX9-B7x axis safeguards dedifferentiated tumor cells from immune surveillance to drive breast cancer progression. *Developmental cell*, 58(23), 2700.

Deepe RN, et al. (2022) Sox9 Expression in the Second Heart Field; A Morphological Assessment of the Importance to Cardiac Development with Emphasis on Atrioventricular Septation. *Journal of cardiovascular development and disease*, 9(11).

McNamara JT, et al. (2021) SHP-2 deletion in CD4Cre expressing chondrocyte precursors leads to tumor development with wrist tropism. *Scientific reports*, 11(1), 20006.

Osborne JK, et al. (2021) Lin28 paralogs regulate lung branching morphogenesis. *Cell reports*, 36(3), 109408.

Vercauteren Drubbel A, et al. (2021) Reactivation of the Hedgehog pathway in esophageal progenitors turns on an embryonic-like program to initiate columnar metaplasia. *Cell stem cell*, 28(8), 1411.

Jiang M, et al. (2021) VEGF receptor 2 (KDR) protects airways from mucus metaplasia through a Sox9-dependent pathway. *Developmental cell*, 56(11), 1646.

Long HK, et al. (2020) Loss of Extreme Long-Range Enhancers in Human Neural Crest Drives a Craniofacial Disorder. *Cell stem cell*, 27(5), 765.

Christin JR, et al. (2020) Stem Cell Determinant SOX9 Promotes Lineage Plasticity and Progression in Basal-like Breast Cancer. *Cell reports*, 31(10), 107742.

Schneider AJ, et al. (2019) Sox9 in mouse urogenital sinus epithelium mediates elongation of prostatic buds and expression of genes involved in epithelial cell migration.

Gene expression patterns : GEP, 34, 119075.

Aiello G, et al. (2019) Truncated BRPF1 Cooperates with Smoothed to Promote Adult Shh Medulloblastoma. Cell reports, 29(12), 4036.

Gulyaeva O, et al. (2018) Sox9-Meis1 Inactivation Is Required for Adipogenesis, Advancing Pref-1+ to PDGFR α + Cells. Cell reports, 25(4), 1002.