

Resource Summary Report

Generated by RRID on Jul 29, 2026

B6;CBA-Tg(Sox10-cre)1Wdr/J

RRID:IMSR_JAX:025807

Type: Organism

Proper Citation

RRID:IMSR_JAX:025807

Organism Information

URL: <https://www.jax.org/strain/025807>

Proper Citation: RRID:IMSR_JAX:025807

Description: Mus musculus with name B6;CBA-Tg(Sox10-cre)1Wdr/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |transgene insertion 1; William D Richardson|SRY (sex determining region Y)-box 10; mutant stock: |Tg(Sox10-cre)1Wdr|Sox10

Affected Gene: |transgene insertion 1; William D Richardson|SRY (sex determining region Y)-box 10

Genomic Alteration: transgene insertion 1; William D Richardson

Catalog Number: JAX:025807

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;CBA-Tg(Sox10-cre)1Wdr/J

Record Creation Time: 20250513T053755+0000

Record Last Update: 20260725T044501+0000

Ratings and Alerts

No rating or validation information has been found for B6;CBA-Tg(Sox10-cre)1Wdr/J.

No alerts have been found for B6;CBA-Tg(Sox10-cre)1Wdr/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Huey EL, et al. (2025) The auditory midbrain mediates tactile vibration sensing. *Cell*, 188(1), 104.

Chakraborty S, et al. (2025) Deletion of a single CTCF motif at the boundary of a chromatin domain with three FGF genes disrupts gene expression and embryonic development. *Developmental cell*, 60(13), 1838.

Hastings RL, et al. (2025) Loss of COL20A1 in Schwann Cells Alters Regeneration of the Neuromuscular Junction and Locomotor Activity in Mice. *Journal of molecular neuroscience : MN*, 75(3), 113.

Aydin B, et al. (2024) Gut bacteria-derived succinate induces enteric nervous system regeneration. *bioRxiv : the preprint server for biology*.

Kukanja P, et al. (2024) Cellular architecture of evolving neuroinflammatory lesions and multiple sclerosis pathology. *Cell*.

Kang M, et al. (2024) Oligodendrocyte-derived laminin- α 1 regulates the blood-brain barrier and CNS myelination in mice. *Cell reports*, 43(5), 114123.

Wang T, et al. (2024) Conditional c-MYC activation in catecholaminergic cells drives distinct neuroendocrine tumors: neuroblastoma vs somatostatinoma. *bioRxiv : the preprint server for biology*.

Ulschmid CM, et al. (2024) Disruption of DNA methylation-mediated cranial neural crest proliferation and differentiation causes orofacial clefts in mice. *Proceedings of the National Academy of Sciences of the United States of America*, 121(3), e2317668121.

Sengottuvel V, et al. (2023) Deficiency in the omega-3 lysolipid transporter Mfsd2a leads to aberrant oligodendrocyte lineage development and hypomyelination. *The Journal of clinical investigation*, 133(12).

Pai C, et al. (2023) Sequencing Reveals miRNAs Enriched in the Developing Mouse Enteric Nervous System. *Non-coding RNA*, 10(1).

Zhang K, et al. (2022) A functional circuit formed by the autonomic nerves and myofibroblasts controls mammalian alveolar formation for gas exchange. *Developmental*

cell, 57(13), 1566.

Duan S, et al. (2022) GFAP-directed Inactivation of Men1 Exploits Glial Cell Plasticity in Favor of Neuroendocrine Reprogramming. Cellular and molecular gastroenterology and hepatology, 14(5), 1025.

Meijer M, et al. (2022) Epigenomic priming of immune genes implicates oligodendroglia in multiple sclerosis susceptibility. Neuron, 110(7), 1193.

Philips T, et al. (2021) MCT1 Deletion in Oligodendrocyte Lineage Cells Causes Late-Onset Hypomyelination and Axonal Degeneration. Cell reports, 34(2), 108610.

Gao T, et al. (2021) Cell-autonomous retinoic acid receptor signaling has stage-specific effects on mouse enteric nervous system. JCI insight, 6(10).

Zhang S, et al. (2021) HIF α Regulates Developmental Myelination Independent of Autocrine Wnt Signaling. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(2), 251.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 106(1), 37.

Drokhlyansky E, et al. (2020) The Human and Mouse Enteric Nervous System at Single-Cell Resolution. Cell, 182(6), 1606.

Zhang S, et al. (2020) Glial type specific regulation of CNS angiogenesis by HIF α -activated different signaling pathways. Nature communications, 11(1), 2027.

Zhang S, et al. (2018) The Stem Cell Factor Sox2 Is a Positive Timer of Oligodendrocyte Development in the Postnatal Murine Spinal Cord. Molecular neurobiology, 55(12), 9001.