

# Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

## CBA;B6-Tg(Sox10-icre/ERT2)388Wdr/J

RRID:IMSR\_JAX:027651

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:027651

### Organism Information

**URL:** <https://www.jax.org/strain/027651>

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**Description:** Mus musculus with name CBA;B6-Tg(Sox10-icre/ERT2)388Wdr/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: SRY (sex determining region Y)-box 10|transgene insertion 388; William D Richardson|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant stock: Sox10|Tg(Sox10-icre/ERT2)388Wdr|cre/ERT2

**Affected Gene:** SRY (sex determining region Y)-box 10|transgene insertion 388; William D Richardson|Cre recombinase and estrogen receptor 1 (human) fusion gene

**Genomic Alteration:** transgene insertion 388; William D Richardson

**Catalog Number:** JAX:027651

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** CBA;B6-Tg(Sox10-icre/ERT2)388Wdr/J

**Record Creation Time:** 20250513T053801+0000

**Record Last Update:** 20260919T054946+0000

### Ratings and Alerts

No rating or validation information has been found for CBA;B6-Tg(Sox10-*icre*/ERT2)388Wdr/J.

No alerts have been found for CBA;B6-Tg(Sox10-*icre*/ERT2)388Wdr/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Nakamura Y, et al. (2025) Adult leptomeningeal vestigial neural crest-derived multipotent cells promote vascular repair after stroke. *Cell reports*, 45(1), 116747.

Shafiq S, et al. (2025) Microglial deficiency in the ATRX chromatin remodeler elicits a viral mimicry immune response that impacts neuronal function and behavior. *PLoS biology*, 23(9), e3002659.

Louie AY, et al. (2024) Respiratory infection with influenza A virus delays remyelination and alters oligodendrocyte metabolism. *iScience*, 27(8), 110464.

Zhou B, et al. (2024) Identification of signaling pathways that specify a subset of migrating enteric neural crest cells at the wavefront in mouse embryos. *Developmental cell*, 59(13), 1689.

Sarkaria SM, et al. (2023) Systematic dissection of coordinated stromal remodeling identifies Sox10+ glial cells as a therapeutic target in myelofibrosis. *Cell stem cell*, 30(6), 832.

Delcroix V, et al. (2023) The First Transcriptomic Atlas of the Adult Lacrimal Gland Reveals Epithelial Complexity and Identifies Novel Progenitor Cells in Mice. *Cells*, 12(10).

Pena-Ortiz MA, et al. (2022) Selective isolation of mouse glial nuclei optimized for reliable downstream omics analyses. *Journal of neuroscience methods*, 369, 109480.

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.

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

Liu Z, et al. (2019) Nucleoporin Seh1 Interacts with Olig2/Brd7 to Promote Oligodendrocyte Differentiation and Myelination. *Neuron*, 102(3), 587.