

Resource Summary Report

Generated by ASWG on Aug 9, 2026

B6;FVB-Tg(Olig2-EGFP/Rpl10a)JD97Htz/J

RRID:IMSR_JAX:030265

Type: Organism

Proper Citation

RRID:IMSR_JAX:030265

Organism Information

URL: <https://www.jax.org/strain/030265>

Proper Citation: RRID:IMSR_JAX:030265

Description: Mus musculus with name B6;FVB-Tg(Olig2-EGFP/Rpl10a)JD97Htz/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |oligodendrocyte transcription factor 2|ribosomal protein L10A|transgene insertion JD97; Nathaniel Heintz; mutant stock: |Olig2|Rpl10a|Tg(Olig2-EGFP/Rpl10a)JD97Htz

Affected Gene: |oligodendrocyte transcription factor 2|ribosomal protein L10A|transgene insertion JD97; Nathaniel Heintz

Genomic Alteration: transgene insertion JD97; Nathaniel Heintz

Catalog Number: JAX:030265

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;FVB-Tg(Olig2-EGFP/Rpl10a)JD97Htz/J

Record Creation Time: 20250513T053814+0000

Record Last Update: 20260808T051011+0000

Ratings and Alerts

No rating or validation information has been found for B6;FVB-Tg(Olig2-EGFP/Rpl10a)JD97Htz/J.

No alerts have been found for B6;FVB-Tg(Olig2-EGFP/Rpl10a)JD97Htz/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

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).

Xing L, et al. (2022) Expression of myelin transcription factor 1 and lamin B receptor mediate neural progenitor fate transition in the zebrafish spinal cord pMN domain. The Journal of biological chemistry, 298(10), 102452.

Tsata V, et al. (2019) Electrophysiological Properties of Adult Zebrafish Oligodendrocyte Progenitor Cells. Frontiers in cellular neuroscience, 13, 102.

Zhang L, et al. (2019) Single-Cell Transcriptomics in Medulloblastoma Reveals Tumor-Initiating Progenitors and Oncogenic Cascades during Tumorigenesis and Relapse. Cancer cell, 36(3), 302.

Early JJ, et al. (2018) An automated high-resolution in vivo screen in zebrafish to identify chemical regulators of myelination. eLife, 7.

McIntosh R, et al. (2017) Spatial distribution and characterization of non-apical progenitors in the zebrafish embryo central nervous system. Open biology, 7(2).

Kroehne V, et al. (2017) Primary Spinal OPC Culture System from Adult Zebrafish to Study Oligodendrocyte Differentiation In Vitro. Frontiers in cellular neuroscience, 11, 284.

Almeida R, et al. (2016) Oligodendrocyte Development in the Absence of Their Target Axons In Vivo. PloS one, 11(10), e0164432.

Oka Y, et al. (2015) Whole-mount single molecule FISH method for zebrafish embryo. Scientific reports, 5, 8571.

Zou S, et al. (2013) Neurogenesis of retinal ganglion cells is not essential to visual functional recovery after optic nerve injury in adult zebrafish. PloS one, 8(2), e57280.