

Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

B6;FVB-Tg(Aldh1l1-EGFP/Rpl10a)JD130Htz/J

RRID:IMSR_JAX:030247

Type: Organism

Proper Citation

RRID:IMSR_JAX:030247

Organism Information

URL: <https://www.jax.org/strain/030247>

Proper Citation: RRID:IMSR_JAX:030247

Description: Mus musculus with name B6;FVB-Tg(Aldh1l1-EGFP/Rpl10a)JD130Htz/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion JD130; Nathaniel Heintz|aldehyde dehydrogenase 1 family; member L1|ribosomal protein L10A|; mutant stock: Tg(Aldh1l1-EGFP/Rpl10a)JD130Htz|Aldh1l1|Rpl10a|

Affected Gene: transgene insertion JD130; Nathaniel Heintz|aldehyde dehydrogenase 1 family; member L1|ribosomal protein L10A|

Genomic Alteration: transgene insertion JD130; Nathaniel Heintz

Catalog Number: JAX:030247

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;FVB-Tg(Aldh1l1-EGFP/Rpl10a)JD130Htz/J

Record Creation Time: 20250513T053813+0000

Record Last Update: 20260725T044517+0000

Ratings and Alerts

No rating or validation information has been found for B6;FVB-Tg(Aldh1l1-EGFP/Rpl10a)JD130Htz/J.

No alerts have been found for B6;FVB-Tg(Aldh1l1-EGFP/Rpl10a)JD130Htz/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Faust TE, et al. (2025) Microglia-astrocyte crosstalk regulates synapse remodeling via Wnt signaling. *Cell*.

Saha S, et al. (2025) Acute dietary methionine restriction triggers cell cycle arrest and reversible growth defects in the neocortex. *iScience*, 28(6), 112705.

Gammie SC, et al. (2024) Large-scale gene expression changes in APP/PSEN1 and GFAP mutation models exhibit high congruence with Alzheimer's disease. *PloS one*, 19(1), e0291995.

Zhang X, et al. (2024) Protocol to induce neurodegeneration in a local area of the mouse brain by stereotaxic injection. *STAR protocols*, 5(3), 103243.

Hashimoto JG, et al. (2023) Ethanol-induced transcriptional and translational changes in Aldh1l1-Egfp/Rpl10a cortical astrocyte cultures. *Frontiers in neuroscience*, 17, 1193304.

Kim RD, et al. (2023) Temporal and spatial analysis of astrocytes following stroke identifies novel drivers of reactivity. *bioRxiv : the preprint server for biology*.

Oudart M, et al. (2023) The ribosome-associated protein RACK1 represses Kir4.1 translation in astrocytes and influences neuronal activity. *Cell reports*, 42(5), 112456.

Hull VL, et al. (2023) Pathological Bergmann glia alterations and disrupted calcium dynamics in ataxic Canavan disease mice. *Glia*, 71(12), 2832.

Su Y, et al. (2023) Astrocyte endfoot formation controls the termination of oligodendrocyte precursor cell perivascular migration during development. *Neuron*, 111(2), 190.

Rurak GM, et al. (2022) Sex differences in developmental patterns of neocortical astroglia: A mouse translome database. *Cell reports*, 38(5), 110310.

Avraham O, et al. (2021) Profiling sensory neuron microenvironment after peripheral and central axon injury reveals key pathways for neural repair. *eLife*, 10.

Aguirrebengoa M, et al. (2021) Purification of astrocyte subtype based on a double reporter mice approach for downstream transcription profiling. STAR protocols, 2(4), 101009.

Ohayon D, et al. (2021) Transcriptome profiling of the Olig2-expressing astrocyte subtype reveals their unique molecular signature. iScience, 24(7), 102806.

Lee H, et al. (2020) Cell Type-Specific Transcriptomics Reveals that Mutant Huntingtin Leads to Mitochondrial RNA Release and Neuronal Innate Immune Activation. Neuron, 107(5), 891.

Michalovicz LT, et al. (2019) Astrocyte-specific transcriptome analysis using the ALDH1L1 bacTRAP mouse reveals novel biomarkers of astrogliosis in response to neurotoxicity. Journal of neurochemistry, 150(4), 420.