

# Resource Summary Report

Generated by T1D on Sep 23, 2026

## B6.129-Aldh1a1<sup>tm1Gdu/J</sup>

RRID:IMSR\_JAX:012247

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:012247

### Organism Information

**URL:** <https://www.jax.org/strain/012247>

**Proper Citation:** RRID:IMSR\_JAX:012247

**Description:** Mus musculus with name B6.129-Aldh1a1<sup>tm1Gdu/J</sup> from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: neomycin resistance|aldehyde dehydrogenase family 1; subfamily A1; mutant strain|congenic strain: neo|Aldh1a1

**Affected Gene:** neomycin resistance|aldehyde dehydrogenase family 1; subfamily A1

**Genomic Alteration:** targeted mutation 1; Gregg Duester

**Catalog Number:** JAX:012247

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6.129-Aldh1a1<sup>tm1Gdu/J</sup>

**Record Creation Time:** 20250513T053719+0000

**Record Last Update:** 20260919T054907+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129-Aldh1a1<sup>tm1Gdu/J</sup>.

No alerts have been found for B6.129-Aldh1a1<sup>tm1Gdu/J</sup>.

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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 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

Melani R, et al. (2022) Inhibitory co-transmission from midbrain dopamine neurons relies on presynaptic GABA uptake. Cell reports, 39(3), 110716.

Pan J, et al. (2019) ALDH1A1 regulates postsynaptic  $\mu$ -opioid receptor expression in dorsal striatal projection neurons and mitigates dyskinesia through transsynaptic retinoic acid signaling. Scientific reports, 9(1), 3602.

Bowles J, et al. (2016) ALDH1A1 provides a source of meiosis-inducing retinoic acid in mouse fetal ovaries. Nature communications, 7, 10845.