

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

B6.129-Aldh1a1^{tm1Gdu/J}

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^{tm1Gdu/J} 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^{tm1Gdu/J}

Record Creation Time: 20250513T053719+0000

Record Last Update: 20260808T050924+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Aldh1a1^{tm1Gdu/J}.

No alerts have been found for B6.129-Aldh1a1^{tm1Gdu/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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 μ -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.