

Resource Summary Report

Generated by PRECISE-TBI on Aug 9, 2026

B6;129S4-Dnmt3a^{tm3.1Enl}/OkanRbrc

RRID:IMSR_RBRC03731

Type: Organism

Proper Citation

RRID:IMSR_RBRC03731

Organism Information

URL: <https://brc.riken.jp/mus/RBRC03731>

Proper Citation: RRID:IMSR_RBRC03731

Description: Mus musculus with name B6;129S4-Dnmt3a^{tm3.1Enl}/OkanRbrc from IMSR.

Species: Mus musculus

Notes: gene symbol note: DNA methyltransferase 3A; mutant stock: Dnmt3a

Affected Gene: DNA methyltransferase 3A

Genomic Alteration: targeted mutation 3.1; En Li

Catalog Number: RBRC03731

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: B6;129S4-Dnmt3a^{tm3.1Enl}/OkanRbrc

Record Creation Time: 20250513T061453+0000

Record Last Update: 20260808T054838+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S4-Dnmt3a^{tm3.1Enl}/OkanRbrc.

No alerts have been found for B6;129S4-Dnmt3a^{tm3.1Enl}/OkanRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Perkins B, et al. (2026) Dnmt3a-dependent de novo DNA methylation enforces lineage commitment and preserves functionality of memory Th1 and Tfh cells. Cell reports, 45(3), 117062.

Gehrs S, et al. (2025) The spatial zonation of the murine placental vasculature is specified by epigenetic mechanisms. Developmental cell, 60(10), 1467.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 106(1), 37.

Lavery LA, et al. (2020) Losing Dnmt3a dependent methylation in inhibitory neurons impairs neural function by a mechanism impacting Rett syndrome. eLife, 9.