

Resource Summary Report

Generated by T1D on Sep 20, 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: 20260919T063214+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 [T1D](#).

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.