

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

B6.129X1-Id4^{tm1Mais}/Mmjax

RRID:MMRRC_041569-JAX

Type: Organism

Proper Citation

RRID:MMRRC_041569-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=41569

Proper Citation: RRID:MMRRC_041569-JAX

Description: Mus musculus with name B6.129X1-Id4^{tm1Mais}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Cancer, Developmental Biology, Neurobiology, Obesity; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased brain size [MP:0000774]| telencephalon hypoplasia [MP:0000785]| abnormal telencephalon morphology [MP:0000787]| abnormal hippocampus development [MP:0000808]| hypoactivity [MP:0001402]| abnormal neocortex morphology [MP:0008547]| abnormal neuron differentiation [MP:0009937]| small lateral ventricles [MP:0013908]

Affected Gene: Id4

Catalog Number: 041569-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15469968](#), [PMID:19217292](#), [PMID:20460371](#)

Alternate IDs: MMRRC_41569-JAX, MMRRC_041569, MMRRC_41569

Organism Name: B6.129X1-Id4^{tm1Mais}/Mmjax

Record Creation Time: 20230308T055219+0000

Record Last Update: 20260815T125130+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-*Id4*^{tm1Mais}/Mmjax.

No alerts have been found for B6.129X1-*Id4*^{tm1Mais}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Duffield GE, et al. (2021) Targeted Disruption of the Inhibitor of DNA Binding 4 (Id4) Gene Alters Photic Entrainment of the Circadian Clock. International journal of molecular sciences, 22(17).