

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

B6.129P2-Kdm3a^{tm1.1Yzha}/Mmnc

RRID:MMRRC_036474-UNC

Type: Organism

Proper Citation

RRID:MMRRC_036474-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36474

Proper Citation: RRID:MMRRC_036474-UNC

Description: Mus musculus with name B6.129P2-Kdm3a^{tm1.1Yzha}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Developmental Biology, Diabetes, Reproduction;
Mutation Type: Targeted Mutation ; Collection:

Phenotype: increased brown adipose tissue amount [MP:0000005]| abnormal spermatogenesis [MP:0001156]| obese [MP:0001261]| hyperlipidemia [MP:0001548]| increased circulating triglyceride level [MP:0001552]| increased circulating free fatty acid level [MP:0001554]| abnormal muscle physiology [MP:0002106]| abnormal muscle morphology [MP:0002108]| hepatic steatosis [MP:0002628]| abnormal brown adipose tissue morphology [MP:0002971]| increased circulating cholesterol level [MP:0005178]| decreased oxygen consumption [MP:0005290]| increased percent body fat/body weight [MP:0005458]| increased susceptibility to diet-induced obesity [MP:0005658]| increased white fat cell lipid droplet size [MP:0009121]| impaired adaptive thermogenesis [MP:0011049]| abnormal brown adipose tissue physiology [MP:0011698]

Affected Gene: Kdm3a

Catalog Number: 036474-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:19194461](#), [PMID:19875498](#)

Alternate IDs: MMRRC_36474-UNC, MMRRC_036474, MMRRC_36474

Organism Name: B6.129P2-*Kdm3a*^{tm1.1Yzha}/Mmnc

Record Creation Time: 20230308T055146+0000

Record Last Update: 20260801T124356+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-*Kdm3a*^{tm1.1Yzha}/Mmnc.

No alerts have been found for B6.129P2-*Kdm3a*^{tm1.1Yzha}/Mmnc.

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 [RRID](#) .

Wang N, et al. (2022) Mapping brain gene coexpression in daytime transcriptomes unveils diurnal molecular networks and deciphers perturbation gene signatures. *Neuron*, 110(20), 3318.