Resource Summary Report

Generated by dkNET on Sep 20, 2026

B6.129X1-*Prkar1a*^{tm2Gsm}/Mmucd

RRID:MMRRC_032879-UCD
Type: Organism

Proper Citation

RRID:MMRRC_032879-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=32879

Proper Citation: RRID:MMRRC_032879-UCD

Description: Mus musculus with name B6.129X1-*Prkar1a*^{tm2Gsm}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cancer, Cardiovascular, Cell Biology, Dermatology, Developmental Biology, Diabetes, Endocrine Deficiency, Hematology, Immunology and Inflammation, Internal/Organ, Metabolism, Models for Human Disease, Neurobiology, Reproduction, Research Tools, Sensorineural, Virology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: short snout [MP:0000445]| abnormal small intestine morphology [MP:0000496]| decreased body weight [MP:0001262]| distended abdomen [MP:0001270]| dry eyes [MP:0001337]| blepharoptosis [MP:0001344]| decreased white adipose tissue amount [MP:0001783]| premature death [MP:0002083]| abnormal nose morphology [MP:0002233]| muscular atrophy [MP:0002269]| intestinal obstruction [MP:0003270]| intestinal hypoperistalsis [MP:0003290]| abnormal class switch recombination [MP:0004816]| abnormal small intestinal transit time [MP:0006002]| distended duodenum [MP:0011881]

Affected Gene: Prkar1a

Catalog Number: 032879-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:19234474, PMID:16329126

Alternate IDs: MMRRC_32879-UCD, MMRRC_032879, MMRRC_32879

Organism Name: B6.129X1-*Prkar1a*^{tm2Gsm}/Mmucd

Record Creation Time: 20230308T055131+0000

Record Last Update: 20260919T133849+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-*Prkar1a*^{tm2Gsm}/Mmucd.

No alerts have been found for B6.129X1-*Prkar1a*^{tm2Gsm}/Mmucd.

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 dkNET .

Yang L, et al. (2015) Hypothalamic PKA regulates leptin sensitivity and adiposity. Nature communications, 6, 8237.