

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

B6.129X1-Prkar1a^{tm1Gsm}/Mmucd

RRID:MMRRC_000413-UCD

Type: Organism

Proper Citation

RRID:MMRRC_000413-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=413

Proper Citation: RRID:MMRRC_000413-UCD

Description: Mus musculus with name B6.129X1-Prkar1a^{tm1Gsm}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cancer, Reproduction; Mutation Type: Targeted Mutation ;
Collection:

Phenotype: abnormal cell morphology [MP:0000358] abnormal foregut morphology [MP:0000474] abnormal somite shape [MP:0001691] abnormal embryo size [MP:0001697] decreased embryo size [MP:0001698] pericardial edema [MP:0001787] reduced male fertility [MP:0001922] increased tumor incidence [MP:0002020] increased sarcoma incidence [MP:0002032] abnormal developmental patterning [MP:0002084] abnormal embryonic tissue morphology [MP:0002085] abnormal primitive streak morphology [MP:0002231] enhanced wound healing [MP:0002724] increased hepatocellular carcinoma incidence [MP:0003331] increased hemangiosarcoma incidence [MP:0003667] decreased heart rate variability [MP:0003929] embryonic growth retardation [MP:0003984] failure of initiation of embryo turning [MP:0004180] increased fibrosarcoma incidence [MP:0010363] embryonic lethality during organogenesis [MP:0011098] complete penetrance [MP:0011205] excessive folding of visceral yolk sac [MP:0011732] decreased somite size [MP:0012081] absent heart tube [MP:0012183] decreased paraxial mesoderm size [MP:0012272] decreased axial mesoderm size [MP:0012498]

Affected Gene: Prkar1a

Catalog Number: 000413-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:12004056](#), [PMID:15371594](#)

Alternate IDs: MMRRC_413-UCD, MMRRC_000413, MMRRC_413

Organism Name: B6.129X1-*Prkar1a*^{tm1Gsm}/Mmucd

Record Creation Time: 20230308T054752+0000

Record Last Update: 20260808T123110+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-*Prkar1a*^{tm1Gsm}/Mmucd.

No alerts have been found for B6.129X1-*Prkar1a*^{tm1Gsm}/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.