

# Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

## B6.129X1-Prkar1a<sup>tm1Gsm</sup>/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](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=413)

**Proper Citation:** RRID:MMRRC\_000413-UCD

**Description:** Mus musculus with name B6.129X1-Prkar1a<sup>tm1Gsm</sup>/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*<sup>tm1Gsm</sup>/Mmucd

**Record Creation Time:** 20230308T054752+0000

**Record Last Update:** 20260725T163503+0000

---

## Ratings and Alerts

No rating or validation information has been found for B6.129X1-*Prkar1a*<sup>tm1Gsm</sup>/Mmucd.

No alerts have been found for B6.129X1-*Prkar1a*<sup>tm1Gsm</sup>/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.