

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

B6.129X1-Prkaca^{tm3Gsm}/Mmmh

RRID:MMRRC_032825-MU

Type: Organism

Proper Citation

RRID:MMRRC_032825-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=32825

Proper Citation: RRID:MMRRC_032825-MU

Description: Mus musculus with name B6.129X1-Prkaca^{tm3Gsm}/Mmmh 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: decreased body length [MP:0001258]| decreased body size [MP:0001265]| increased circulating triglyceride level [MP:0001552]| postnatal growth retardation [MP:0001732]| abnormal glucose homeostasis [MP:0002078]| decreased circulating insulin level [MP:0002727]| decreased insulin secretion [MP:0003059]| impaired glucose tolerance [MP:0005293]| abnormal glycogen homeostasis [MP:0005438]| decreased glycogen level [MP:0005439]| increased circulating glucose level [MP:0005559]

Affected Gene: Prkaca

Catalog Number: 032825-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:16155866](#), [PMID:18353144](#)

Alternate IDs: MMRRC_32825-MU, MMRRC_032825, MMRRC_32825

Organism Name: B6.129X1-*Prkaca*^{tm3Gsm}/Mmmh

Record Creation Time: 20230308T055131+0000

Record Last Update: 20260815T124641+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-*Prkaca*^{tm3Gsm}/Mmmh.

No alerts have been found for B6.129X1-*Prkaca*^{tm3Gsm}/Mmmh.

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](#) .

Alnahrawy E, et al. (2026) GDF9, NPHS1, and RET Mark Gastric Neuroendocrine Cells and Their Disruption in a PKA-Driven Gastric Preneoplasia Model. International journal of molecular sciences, 27(13).