

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

STOCK *Pik3r1^{tm2Dfr}/Mmucd*

RRID:MMRRC_014244-UCD

Type: Organism

Proper Citation

RRID:MMRRC_014244-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=14244

Proper Citation: RRID:MMRRC_014244-UCD

Description: Mus musculus with name STOCK *Pik3r1^{tm2Dfr}/Mmucd* from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cancer, Cell Biology, Developmental Biology, Diabetes, Hematology, Immunology and Inflammation, Metabolism; Mutation Type: Targeted Mutation ; Collection:

Phenotype: hypoglycemia [MP:0000189] decreased body size [MP:0001265] hepatic necrosis [MP:0001654] arrested B cell differentiation [MP:0001802] abnormal glucose homeostasis [MP:0002078] abnormal B cell differentiation [MP:0002144] decreased circulating insulin level [MP:0002727] dystrophic cardiac calcinosis [MP:0002837] abnormal brown adipose tissue morphology [MP:0002971] decreased B cell proliferation [MP:0005093] improved glucose tolerance [MP:0005292] increased pro-B cell number [MP:0008186] decreased pre-B cell number [MP:0008209] decreased mature B cell number [MP:0008211] decreased immature B cell number [MP:0008215] increased B cell apoptosis [MP:0008782] increased skeletal muscle fiber size [MP:0009399] postnatal lethality [MP:0011086] incomplete penetrance [MP:0011099] lethality throughout fetal growth and development [MP:0012080]

Affected Gene: *Pik3r1*

Catalog Number: 014244-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:9888855](#), [PMID:11062485](#), [PMID:14976048](#)

Alternate IDs: MMRRC_14244-UCD, MMRRC_014244, MMRRC_14244

Organism Name: STOCK *Pik3r1^{tm2Dfr}*/Mmucd

Record Creation Time: 20230308T054927+0000

Record Last Update: 20260801T123643+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Pik3r1^{tm2Dfr}*/Mmucd.

No alerts have been found for STOCK *Pik3r1^{tm2Dfr}*/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.