

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

STOCK *Gpd2^{tm1Tka} Slc25a13^{tm1Lct}/Mmjax*

RRID:MMRRC_069611-JAX

Type: Organism

Proper Citation

RRID:MMRRC_069611-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=69611

Proper Citation: RRID:MMRRC_069611-JAX

Description: Mus musculus with name STOCK *Gpd2^{tm1Tka} Slc25a13^{tm1Lct}/Mmjax* from MMRRC.

Species: Mus musculus

Notes: Research areas: Metabolism, Models for Human Disease, Research Tools;
Mutation Type: Targeted Mutation ; Collection:

Phenotype: hypoglycemia [MP:0000189]| decreased body weight [MP:0001262]| increased circulating free fatty acid level [MP:0001554]| postnatal growth retardation [MP:0001732]| premature death [MP:0002083]| hepatic steatosis [MP:0002628]| decreased circulating insulin level [MP:0002727]| increased circulating alkaline phosphatase level [MP:0002968]| abnormal gluconeogenesis [MP:0003383]| increased circulating glycerol level [MP:0003443]| increased circulating ammonia level [MP:0005309]| abnormal circulating amino acid level [MP:0005311]| abnormal amino acid level [MP:0005332]| increased liver triglyceride level [MP:0009355]| abnormal blood homeostasis [MP:0009642]| abnormal urine homeostasis [MP:0009643]| hypoglycemia [MP:0000189]| decreased body weight [MP:0001262]| decreased body size [MP:0001265]| abnormal eating behavior [MP:0001431]| increased circulating free fatty acid level [MP:0001554]| postnatal growth retardation [MP:0001732]| premature death [MP:0002083]| hepatic steatosis [MP:0002628]| decreased circulating insulin level [MP:0002727]| increased circulating alkaline phosphatase level [MP:0002968]| decreased insulin secretion [MP:0003059]| increased circulating glycerol level [MP:0003443]| increased circulating cholesterol level [MP:0005178]| decreased oxygen consumption [MP:0005290]| increased circulating ammonia level [MP:0005309]| abnormal circulating amino acid level [MP:0005311]| abnormal amino acid level [MP:0005332]| abnormal triiodothyronine level [MP:0005472]| increased circulating thyroxine level [MP:0005477]| increased circulating triiodothyronine level [MP:0005480]| increased body temperature

[MP:0005533] decreased brown fat cell lipid droplet size [MP:0009125] increased liver triglyceride level [MP:0009355] abnormal blood homeostasis [MP:0009642] impaired adaptive thermogenesis [MP:0011049] decreased brown adipose tissue mass [MP:0014169]

Affected Gene: |Gpd2||Slc25a13

Catalog Number: 069611-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:17591776](#), [PMID:14701727](#)

Alternate IDs: MMRRC_69611-JAX, MMRRC_069611, MMRRC_69611

Organism Name: STOCK *Gpd2^{tm1Tka} Slc25a13^{tm1Lct}/Mmjax*

Record Creation Time: 20230308T055518+0000

Record Last Update: 20260815T130942+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Gpd2^{tm1Tka} Slc25a13^{tm1Lct}/Mmjax*.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human citrullinemia.

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.