

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

STOCK *Pdx1^{tm1Cvw}/Mmnc*

RRID:MMRRC_000439-UNC

Type: Organism

Proper Citation

RRID:MMRRC_000439-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=439

Proper Citation: RRID:MMRRC_000439-UNC

Description: Mus musculus with name STOCK *Pdx1^{tm1Cvw}/Mmnc* from MMRRC.

Species: Mus musculus

Notes: Research areas: Developmental Biology, Diabetes, Endocrine Deficiency, Research Tools; Mutation Type: Targeted Mutation ; Collection: BCBC-Beta Cell Biology Consortium

Phenotype: sparse hair [MP:0000416] abnormal stomach morphology [MP:0000470] abnormal foregut morphology [MP:0000474] abnormal small intestine morphology [MP:0000496] abnormal liver development [MP:0000596] thin skin [MP:0001199] decreased body weight [MP:0001262] weight loss [MP:0001263] dehydration [MP:0001429] hyperglycemia [MP:0001559] postnatal growth retardation [MP:0001732] increased urine glucose level [MP:0001759] abnormal pancreas morphology [MP:0001944] decreased circulating insulin level [MP:0002727] increased insulin sensitivity [MP:0002891] abnormal bile duct development [MP:0002929] decreased insulin secretion [MP:0003059] abnormal duodenum morphology [MP:0003271] decreased pancreatic beta cell number [MP:0003339] abnormal pancreatic beta cell physiology [MP:0003562] absent pancreas [MP:0003655] small pancreas [MP:0004247] abnormal pancreatic islet morphology [MP:0005215] abnormal pancreatic beta cell morphology [MP:0005217] improved glucose tolerance [MP:0005292] impaired glucose tolerance [MP:0005293] increased circulating glucose level [MP:0005559] decreased pancreas weight [MP:0009109] abnormal pancreatic duct morphology [MP:0009143] abnormal pancreatic acinar cell morphology [MP:0009146] abnormal pancreatic islet size [MP:0009170] small pancreatic islets [MP:0009172] abnormal pancreatic beta cell differentiation [MP:0009175] increased pancreatic alpha cell number [MP:0009176] increased pancreatic delta cell number [MP:0009180] disorganized pancreatic islets [MP:0009254] abnormal pyloric sphincter morphology [MP:0009861] postnatal lethality

[MP:0011085] complete penetrance [MP:0011820] decreased pancreatic beta cell proliferation [MP:0012520] absent Brunner's glands [MP:0014109] increased pancreatic alpha cell proliferation [MP:0014117]

Affected Gene: Pdx1

Catalog Number: 000439-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:8631275](https://pubmed.ncbi.nlm.nih.gov/2631275/)

Alternate IDs: MMRRC_439-UNC, MMRRC_000439, MMRRC_439

Organism Name: STOCK *Pdx1^{tm1Cvw}/Mmnc*

Record Creation Time: 20230308T054752+0000

Record Last Update: 20260801T123207+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Pdx1^{tm1Cvw}/Mmnc*.

No alerts have been found for STOCK *Pdx1^{tm1Cvw}/Mmnc*.

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.