

Resource Summary Report

Generated by [ASWG](#) on Sep 23, 2026

[Pten^{tm1Hwu}/Pten^{tm1Hwu}; Tg\(Ins2-cre\)25Mgn](#)

RRID:MGI:4839070

Type: Organism

Proper Citation

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Organism Information

URL:

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Description: Allele Detail: Transgenic, Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Transgenic, Targeted This is a legacy resource.

Phenotype: increased pancreatic islet number, increased pancreatic beta cell number, hypoglycemia, enlarged pancreatic islets, decreased susceptibility to injury, decreased cellular sensitivity to oxidative stress, abnormal pancreas physiology, increased pancreatic beta cell proliferation, abnormal pancreatic beta cell morphology, homeostasis/metabolism phenotype, improved glucose tolerance, increased body weight, increased insulin secretion, increased insulin sensitivity, increased pancreatic beta cell mass

Affected Gene: Pten, Tg(Ins2-cre)25Mgn

Genomic Alteration: tm1Hwu, Tg(Ins2-cre)25Mgn

Catalog Number: 4839070

Background: involves: 129S4/SvJae * C57BL/6 * DBA

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16537919](#), [PMID:20852026](#)

Organism Name: Pten^{tm1Hwu}/Pten^{tm1Hwu}; Tg(Ins2-cre)25Mgn

Record Creation Time: 20240120T190240+0000

Record Last Update: 20240130T201812+0000

Ratings and Alerts

No rating or validation information has been found for $Pten^{tm1Hwu}/Pten^{tm1Hwu}; Tg(Ins2-cre)25Mgn$.

No alerts have been found for $Pten^{tm1Hwu}/Pten^{tm1Hwu}; Tg(Ins2-cre)25Mgn$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.