

Resource Summary Report

Generated by T1D on Sep 21, 2026

STOCK Tg(Pdx1-cre/Esr1*)#Dam/J

RRID:IMSR_JAX:024968

Type: Organism

Proper Citation

RRID:IMSR_JAX:024968

Organism Information

URL: <https://www.jax.org/strain/024968>

Proper Citation: RRID:IMSR_JAX:024968

Description: Mus musculus with name STOCK Tg(Pdx1-cre/Esr1*)#Dam/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Pdx1-cre/Esr1*)#Dam/J

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 fusion gene|pancreatic and duodenal homeobox 1|transgene insertion; Douglas A Melton; mutant stock: cre/Esr1|Pdx1|Tg(Pdx1-cre/Esr1*)#Dam

Affected Gene: Cre recombinase and estrogen receptor 1 fusion gene|pancreatic and duodenal homeobox 1|transgene insertion; Douglas A Melton

Genomic Alteration: transgene insertion; Douglas A Melton

Catalog Number: JAX:024968

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Pdx1-cre/Esr1*)#Dam/J

Record Creation Time: 20250513T053752+0000

Record Last Update: 20260919T054938+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Pdx1-cre/Esr1*)#Dam/J.

No alerts have been found for STOCK Tg(Pdx1-cre/Esr1*)#Dam/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Phuah P, et al. (2026) The microbial tryptophan metabolite indole acts on the gastrointestinal tract to improve glucose homeostasis in a mouse model of diabetes by enhancing GLP-1 secretion and L cell differentiation. Diabetologia, 69(6), 1659.

Cheung JF, et al. (2025) Distinct T cell functions enable efficient immunoediting and prevent tumor emergence of developing sarcomas. Cancer cell, 43(12), 2311.

Ku B, et al. (2024) PRMT1 promotes pancreatic cancer development and resistance to chemotherapy. Cell reports. Medicine, 5(3), 101461.

Guo Y, et al. (2023) Steroidogenic factor 1 protects mice from obesity-induced glucose intolerance via improving glucose-stimulated insulin secretion by beta cells. iScience, 26(4), 106451.

Ramakrishnan G, et al. (2022) NF1 loss of function as an alternative initiating event in pancreatic ductal adenocarcinoma. Cell reports, 41(6), 111623.

Hill W, et al. (2021) EPHA2-dependent outcompetition of KRASG12D mutant cells by wild-type neighbors in the adult pancreas. Current biology : CB, 31(12), 2550.

Hegde S, et al. (2020) Dendritic Cell Paucity Leads to Dysfunctional Immune Surveillance in Pancreatic Cancer. Cancer cell, 37(3), 289.

Lorberbaum DS, et al. (2020) Retinoic acid signaling within pancreatic endocrine progenitors regulates mouse and human β cell specification. Development (Cambridge, England), 147(12).

Ceasrine AM, et al. (2018) Adrb2 controls glucose homeostasis by developmental regulation of pancreatic islet vasculature. eLife, 7.

Lu TT, et al. (2018) The Polycomb-Dependent Epigenome Controls β Cell Dysfunction, Dedifferentiation, and Diabetes. Cell metabolism, 27(6), 1294.