

Resource Summary Report

Generated by [NIF](#) on Aug 31, 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: transgene insertion; Douglas A Melton|pancreatic and duodenal homeobox 1|Cre recombinase and estrogen receptor 1 fusion gene; mutant stock: Tg(Pdx1-cre/Esr1*)#Dam|Pdx1|cre/Esr1

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

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: 20260829T045057+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 [NIF](#) .

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.