

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

STOCK Kras^{tm4Tyj} Trp53 Tg(Pdx1-cre/Esr1*)#Dam/J

RRID:IMSR_JAX:032429

Type: Organism

Proper Citation

RRID:IMSR_JAX:032429

Organism Information

URL: <https://www.jax.org/strain/032429>

Proper Citation: RRID:IMSR_JAX:032429

Description: Mus musculus with name STOCK Kras^{tm4Tyj} Trp53 Tg(Pdx1-cre/Esr1*)#Dam/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: pancreatic and duodenal homeobox 1|Cre recombinase and estrogen receptor 1 fusion gene|transformation related protein 53|transgene insertion; Douglas A Melton|Kras proto-oncogene; GTPase; mutant stock: Pdx1|cre/Esr1|Trp53|Tg(Pdx1-cre/Esr1*)#Dam|Kras

Affected Gene: pancreatic and duodenal homeobox 1|Cre recombinase and estrogen receptor 1 fusion gene|transformation related protein 53|transgene insertion; Douglas A Melton|Kras proto-oncogene; GTPase

Genomic Alteration: transgene insertion; Douglas A Melton|targeted mutation 1; Anton Berns|targeted mutation 4; Tyler Jacks

Catalog Number: JAX:032429

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Kras^{tm4Tyj} Trp53 Tg(Pdx1-cre/Esr1*)#Dam/J

Record Creation Time: 20250513T053828+0000

Record Last Update: 20260829T045138+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Kras^{tm4Tyj} Trp53 Tg(Pdx1-cre/Esr1*)#Dam/J.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human acute myeloid leukemia.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Chabu CY, et al. (2026) CMTM6-Silencing Microbial Immunotherapy Reprograms PDAC Tumors and Restores T-cell Function. bioRxiv : the preprint server for biology.

Zhang S, et al. (2026) Cancer cell-derived sialylated IgG interacting with Siglec-7/9/10 is a potential immunotherapeutic target in pancreatic cancer. Cell reports. Medicine, 7(3), 102660.

Lucotti S, et al. (2025) Extracellular vesicles from the lung pro-thrombotic niche drive cancer-associated thrombosis and metastasis via integrin beta 2. Cell, 188(6), 1642.

Campos AD, et al. (2025) A STAT3/integrin axis accelerates pancreatic cancer initiation and progression. Cell reports, 44(8), 116010.

Chen Y, et al. (2024) Cancer-Associated Endocrine Cells Participate in Pancreatic Carcinogenesis. Gastroenterology, 167(6), 1167.

Hezaveh K, et al. (2022) Tryptophan-derived microbial metabolites activate the aryl hydrocarbon receptor in tumor-associated macrophages to suppress anti-tumor immunity. Immunity, 55(2), 324.