

Resource Summary Report

Generated by [ASWG](#) on Jul 30, 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: Kras proto-oncogene; GTPase|Cre recombinase and estrogen receptor 1 fusion gene|pancreatic and duodenal homeobox 1|transgene insertion; Douglas A Melton|transformation related protein 53; mutant stock: Kras|cre/Esr1|Pdx1|Tg(Pdx1-cre/Esr1*)#Dam|Trp53

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

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

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: 20260725T044527+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 4 mentions in open access literature.

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

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.