

Resource Summary Report

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STOCK Ptf1a^{tm1}(cre)Hnak/RschJ

RRID:IMSR_JAX:023329

Type: Organism

Proper Citation

RRID:IMSR_JAX:023329

Organism Information

URL: <https://www.jax.org/strain/023329>

Proper Citation: RRID:IMSR_JAX:023329

Description: Mus musculus with name STOCK Ptf1a^{tm1}(cre)Hnak/RschJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: pancreas specific transcription factor; 1a|; mutant stock: Ptf1a|

Affected Gene: pancreas specific transcription factor; 1a|

Genomic Alteration: targeted mutation 1; Hassan Nakhai

Catalog Number: JAX:023329

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Ptf1a^{tm1}(cre)Hnak/RschJ

Record Creation Time: 20250513T053747+0000

Record Last Update: 20260829T045050+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Ptf1a^{tm1}(cre)Hnak/RschJ.

No alerts have been found for STOCK Ptf1a^{tm1}(cre)Hnak/RschJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Unger L, et al. (2026) Defective HNF1A hinders GLI3 processing favoring duodenal versus pancreatic fate, thus leading to intestinal elongation in vivo. *Genes & development*, 40(11-12), 805.

Swancutt KL, et al. (2026) Immune Stromal Components Impede Biological Effectiveness of Carbon Ion Therapy in a Preclinical Model of Pancreatic Ductal Adenocarcinoma. *Molecular cancer therapeutics*, 25(2), 333.

Khan K, et al. (2025) Loss of Sorting Nexin 10 Accelerates KRAS-Induced Pancreatic Tumorigenesis. *Cancer research communications*, 5(9), 1541.

Li H, et al. (2025) Protocol for adeno-associated virus-mediated gene delivery to accelerate pancreatic carcinogenesis in mice. *STAR protocols*, 6(3), 103907.

Adem B, et al. (2024) Exosomes define a local and systemic communication network in healthy pancreas and pancreatic ductal adenocarcinoma. *Nature communications*, 15(1), 1496.

Pollin G, et al. (2024) Ehmt2 inactivation in pancreatic epithelial cells shapes the transcriptional landscape and inflammation response of the whole pancreas. *Frontiers in genetics*, 15, 1412767.

Pollin G, et al. (2024) EHMT2 Inactivation in Pancreatic Epithelial Cells Shapes the Transcriptional Landscape and Inflammation Response of the Whole Pancreas. *bioRxiv* : the preprint server for biology.

Chang Y, et al. (2024) The UBE2F-CRL5ASB11-DIRAS2 axis is an oncogene and tumor suppressor cascade in pancreatic cancer cells. *Developmental cell*, 59(10), 1317.

Chibaya L, et al. (2024) Nanoparticle delivery of innate immune agonists combined with senescence-inducing agents promotes T cell control of pancreatic cancer. *Science translational medicine*, 16(762), eadj9366.

Yoon SJ, et al. (2023) Comprehensive Metabolic Tracing Reveals the Origin and Catabolism of Cysteine in Mammalian Tissues and Tumors. *Cancer research*, 83(9), 1426.

Guccini I, et al. (2023) Genetic ablation of ketohexokinase C isoform impairs pancreatic cancer development. *iScience*, 26(8), 107368.

Bastos N, et al. (2023) SMC3 epigenetic silencing regulates Rab27a expression and drives pancreatic cancer progression. *Journal of translational medicine*, 21(1), 578.

Boieri M, et al. (2022) CD4+ T helper 2 cells suppress breast cancer by inducing terminal differentiation. *The Journal of experimental medicine*, 219(7).

van der Heijden ME, et al. (2022) Influence of data sampling methods on the representation of neural spiking activity in vivo. *iScience*, 25(11), 105429.

Tan M, et al. (2022) The Sag-Shoc2 axis regulates conversion of mPanINs to cystic lesions in Kras pancreatic tumor model. *Cell reports*, 41(12), 111837.

Kaltenbacher T, et al. (2022) CRISPR somatic genome engineering and cancer modeling in the mouse pancreas and liver. *Nature protocols*, 17(4), 1142.

Achilly NP, et al. (2021) Deleting Mecp2 from the cerebellum rather than its neuronal subtypes causes a delay in motor learning in mice. *eLife*, 10.

Urrutia G, et al. (2021) Inactivation of the Euchromatic Histone-Lysine N-Methyltransferase 2 Pathway in Pancreatic Epithelial Cells Antagonizes Cancer Initiation and Pancreatitis-Associated Promotion by Altering Growth and Immune Gene Expression Networks. *Frontiers in cell and developmental biology*, 9, 681153.