Resource Summary Report

Generated by dkNET on Sep 7, 2026

B6N.Cg-Kras^{tm4Tyj}/CjDswJ

RRID:IMSR_JAX:019104
Type: Organism

Proper Citation

RRID:IMSR_JAX:019104

Organism Information

URL: https://www.jax.org/strain/019104

Proper Citation: RRID:IMSR_JAX:019104

Description: Mus musculus with name B6N.Cg-Kras^{tm4Tyj}/CjDswJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: Kras proto-oncogene; GTPase; mutant strain|congenic strain: Kras

Affected Gene: Kras proto-oncogene; GTPase

Genomic Alteration: targeted mutation 4; Tyler Jacks

Catalog Number: JAX:019104

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6N.Cg-Kras^{tm4Tyj}/CjDswJ

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260905T044522+0000

Ratings and Alerts

No rating or validation information has been found for B6N.Cg-Kras^{tm4Tyj}/CjDswJ.

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 5 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Hanley SE, et al. (2026) Cyclin C promotes pancreatic developmentand suppresses cancer initiation by maintenance of the autophagy-lysosome pathway. iScience, 29(3), 114949.

Deng S, et al. (2026) Repurposing of the Macrolide Antibiotic Clarithromycin for the Prevention of Lung Cancer. Molecular cancer therapeutics, 25(2), 283.

Mennuni M, et al. (2024) High mitochondrial DNA levels accelerate lung adenocarcinoma progression. Science advances, 10(44), eadp3481.

Herms A, et al. (2024) Self-sustaining long-term 3D epithelioid cultures reveal drivers of clonal expansion in esophageal epithelium. Nature genetics, 56(10), 2158.

Shields MA, et al. (2022) G??13 loss in Kras/Tp53 mouse model of pancreatic tumorigenesis promotes tumors susceptible to rapamycin. Cell reports, 38(9), 110441.