

Resource Summary Report

Generated by [ASWG](#) on Sep 1, 2026

129S/Sv-Kras^{tm4Tyj/J}

RRID:IMSR_JAX:008180

Type: Organism

Proper Citation

RRID:IMSR_JAX:008180

Organism Information

URL: <https://www.jax.org/strain/008180>

Proper Citation: RRID:IMSR_JAX:008180

Description: Mus musculus with name 129S/Sv-Kras^{tm4Tyj/J} from IMSR.

Species: Mus musculus

Synonyms: 129S4-Kras/J

Notes: gene symbol note: Kras proto-oncogene; GTPase; coisogenic strain: Kras

Affected Gene: Kras proto-oncogene; GTPase

Genomic Alteration: targeted mutation 4; Tyler Jacks

Catalog Number: JAX:008180

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: 129S/Sv-Kras^{tm4Tyj/J}

Record Creation Time: 20250513T053706+0000

Record Last Update: 20260829T044959+0000

Ratings and Alerts

No rating or validation information has been found for 129S/Sv-Kras^{tm4Tyj/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 5 mentions in open access literature.

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

Lan L, et al. (2026) A Jagged1-regulated hybrid-EMT state identifies pancreatic cancer stem cells. Cell reports, 45(2), 116909.

Zhu B, et al. (2025) Spatial and multiomics analysis of human and mouse lung adenocarcinoma precursors reveals TIM-3 as a putative target for precancer interception. Cancer cell, 43(6), 1125.

Doggett K, et al. (2025) Inhibition of the minor spliceosome restricts the growth of a broad spectrum of cancers. EMBO reports, 26(15), 3937.

Ku B, et al. (2024) PRMT1 promotes pancreatic cancer development and resistance to chemotherapy. Cell reports. Medicine, 5(3), 101461.

Huang L, et al. (2014) Decreased tumorigenesis in mice with a Kras point mutation at C118. Nature communications, 5, 5410.