

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 13, 2025

## C57BL/6Smoc-Kras<sup>em4</sup>(LSL-G12D)Smoc

RRID:IMSR\_NM-KI-190003

Type: Organism

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### Proper Citation

RRID:IMSR\_NM-KI-190003

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### Organism Information

**URL:** [https://en.modelorg.com/portal/article/index.html?id=171287&post\\_type=3](https://en.modelorg.com/portal/article/index.html?id=171287&post_type=3)

**Proper Citation:** RRID:IMSR\_NM-KI-190003

**Description:** Mus musculus with name C57BL/6Smoc-Kras<sup>em4</sup>(LSL-G12D)Smoc from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: Kirsten rat sarcoma viral oncogene homolog; mutant strain: Kras

**Affected Gene:** Kirsten rat sarcoma viral oncogene homolog

**Catalog Number:** NM-KI-190003

**Database:** International Mouse Resource Center IMSR, SMOC

**Database Abbreviation:** IMSR

**Availability:** live

**Organism Name:** C57BL/6Smoc-Kras<sup>em4</sup>(LSL-G12D)Smoc

**Record Creation Time:** 20230509T195619+0000

**Record Last Update:** 20250412T111556+0000

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### Ratings and Alerts

No rating or validation information has been found for C57BL/6Smoc-Kras<sup>em4(LSL-G12D)</sup>Smoc.

No alerts have been found for C57BL/6Smoc-Kras<sup>em4(LSL-G12D)</sup>Smoc.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** International Mouse Resource Center IMSR, SMOC

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Peng F, et al. (2024) Oncogenic fatty acid oxidation senses circadian disruption in sleep-deficiency-enhanced tumorigenesis. Cell metabolism, 36(7), 1598.

Liu X, et al. (2023) Interventional hydrogel microsphere vaccine as an immune amplifier for activated antitumour immunity after ablation therapy. Nature communications, 14(1), 4106.

Liu X, et al. (2022) Chromatin Remodeling Induced by ARID1A Loss in Lung Cancer Promotes Glycolysis and Confers JQ1 Vulnerability. Cancer research, 82(5), 791.

Banales JM, et al. (2020) Cholangiocarcinoma 2020: the next horizon in mechanisms and management. Nature reviews. Gastroenterology & hepatology, 17(9), 557.

Kim EY, et al. (2019) Therapeutic effects of the novel Leucyl-tRNA synthetase inhibitor BC-LI-0186 in non-small cell lung cancer. Therapeutic advances in medical oncology, 11, 1758835919846798.