

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

STOCK Oprk1^{tm1.1}(cre)Sros/J

RRID:IMSR_JAX:035045

Type: Organism

Proper Citation

RRID:IMSR_JAX:035045

Organism Information

URL: <https://www.jax.org/strain/035045>

Proper Citation: RRID:IMSR_JAX:035045

Description: Mus musculus with name STOCK Oprk1^{tm1.1}(cre)Sros/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: opioid receptor; kappa 1; mutant stock: Oprk1

Affected Gene: opioid receptor; kappa 1

Genomic Alteration: targeted mutation 1.1; Sarah Ross

Catalog Number: JAX:035045

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Oprk1^{tm1.1}(cre)Sros/J

Record Creation Time: 20250513T053846+0000

Record Last Update: 20260919T055030+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Oprk1^{tm1.1}(cre)Sros/J.

No alerts have been found for STOCK Oprk1^{tm1.1}(cre)Sros/J.

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 [Kravitz](#) .

Piantadosi SC, et al. (2025) An integrated microfluidic and fluorescence platform for probing in vivo neuropharmacology. *Neuron*, 113(10), 1491.

Damonte VM, et al. (2025) Kappa opioid receptors control a stress-sensitive brain circuit and drive cocaine seeking. *bioRxiv : the preprint server for biology*.

Kamal A, et al. (2025) Preoptic activation induces a torpor-like hypothermic and hypometabolic state that is cerebroprotective. *bioRxiv : the preprint server for biology*.

Martinez Damonte V, et al. (2025) Kappa Opioid Receptors Control a Stress-Sensitive Brain Circuit and Drive Cocaine Seeking. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(43).

Cone AL, et al. (2023) Kappa opioid receptor activation increases thermogenic energy expenditure which drives increased feeding. *iScience*, 26(7), 107241.