

Resource Summary Report

Generated by [dkNET](#) on Jul 28, 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: 20260725T044541+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 4 mentions in open access literature.

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

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.

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

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