

Resource Summary Report

Generated by [kravitz2](#) on Aug 7, 2026

WIC;W-Oprk1^{em1}(cre)Nurep

RRID:RGD_598154602

Type: Organism

Proper Citation

RRID:RGD_598154602

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=598154602>

Proper Citation: RRID:RGD_598154602

Description: Rattus norvegicus with name WIC;W-Oprk1^{em1}(cre)Nurep from RGD.

Species: Rattus norvegicus

Notes: Oprk1-cre rats were generated by Dr. Hiroko Tsukamura, Dr. Yoshihisa Uenoyama, Dr. Naoko Inoue, Dr. Mayuko Nagae (Nagoya University) and Dr. Masumi Hirabayashi (National Institute for Physiological Sciences). The CRISPR/Cas9 and adeno-associated virus vector (Oprk1 [exon 4], T2A, Cre) were introduced into the pronuclear stage embryos of Wistar rats (Crlj:WI). It was maintained by mating with the Wistar-Imamichi rats (Iar:WIC) (RGD:125097496) or by sibling mating. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 598154602

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2025-04-30)

Alternate IDs: 598154602

Organism Name: WIC;W-Oprk1^{em1}(cre)Nurep

Record Creation Time: 20250514T090217+0000

Record Last Update: 20260801T194053+0000

Ratings and Alerts

No rating or validation information has been found for WIC;W-*Oprk1^{em1(cre)}*Nurep.

No alerts have been found for WIC;W-*Oprk1^{em1(cre)}*Nurep.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.