

Resource Summary Report

Generated by [NIF](#) on Aug 18, 2026

F344-Cacna1a^{gry}Scn1a^{m1Kyo}/Okym

RRID:RGD_10045591

Type: Organism

Proper Citation

RRID:RGD_10045591

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=10045591>

Proper Citation: RRID:RGD_10045591

Description: Rattus norvegicus with name F344-Cacna1a^{gry}Scn1a^{m1Kyo}/Okym from RGD.

Species: Rattus norvegicus

Notes: GRY/Idr (GRY/Idr has the M251K mutation in the Cacna1a gene) was backcrossed to F344/NSlc, and then crossed to HISS rat (HISS rat has the N1417H mutation in the Scn1a gene) to generate Scn1a/Cacna1a double mutant rats. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 10045591

Background: congenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2017-05-05)

Alternate IDs: 10045591

Organism Name: F344-Cacna1a^{gry}Scn1a^{m1Kyo}/Okym

Record Creation Time: 20230509T191946+0000

Record Last Update: 20260815T190711+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Cacna1a^{gr/y}Scn1a^{m1Kyo}*/Okym.

No alerts have been found for F344-*Cacna1a^{gr/y}Scn1a^{m1Kyo}*/Okym.

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.