

# Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

## F344-Cacna1a<sup>gry</sup>Scn1a<sup>m1Kyo</sup>/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<sup>gry</sup>Scn1a<sup>m1Kyo</sup>/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<sup>gry</sup>Scn1a<sup>m1Kyo</sup>/Okym

**Record Creation Time:** 20230509T191946+0000

**Record Last Update:** 20260829T184949+0000

### Ratings and Alerts

No rating or validation information has been found for F344-*Cacna1a<sup>gr/y</sup>Scn1a<sup>m1Kyo</sup>*/Okym.

No alerts have been found for F344-*Cacna1a<sup>gr/y</sup>Scn1a<sup>m1Kyo</sup>*/Okym.

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## Data and Source Information

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

**Source Database:** Rat Genome Database (RGD)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.