

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 17, 2026

F344.NER-(D1Mgh6-D1Rat73)(D5Mgh4-D5Rat36)Lgi1^{m1}/Kyo

RRID:RGD_10043382

Type: Organism

Proper Citation

RRID:RGD_10043382

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=10043382>

Proper Citation: RRID:RGD_10043382

Description: Rattus norvegicus with name F344.NER-(D1Mgh6-D1Rat73)(D5Mgh4-D5Rat36)Lgi1^{m1}/Kyo from RGD.

Species: Rattus norvegicus

Notes: Triple congenic rat made by mating F344.NER-(D1Mgh6-D1Rat132)(D5Mgh4-D5Rat36)/Kyo and F344-Lgi1m1Kyo. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 10043382

Background: congenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2023-12-29)

Alternate IDs: 10043382

Organism Name: F344.NER-(D1Mgh6-D1Rat73)(D5Mgh4-D5Rat36)Lgi1^{m1}/Kyo

Record Creation Time: 20230509T191928+0000

Record Last Update: 20260912T202502+0000

Ratings and Alerts

No rating or validation information has been found for F344.NER-(D1Mgh6-D1Rat73)(D5Mgh4-D5Rat36)Lgi1^{m1}/Kyo.

No alerts have been found for F344.NER-(D1Mgh6-D1Rat73)(D5Mgh4-D5Rat36)Lgi1^{m1}/Kyo.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Kinboshi M, et al. (2023) Imbalance of glutamatergic and GABAergic neurotransmission in audiogenic seizure-susceptible Leucine-rich glioma-inactivated 1 (Lgi1)-mutant rats. *Heliyon*, 9(7), e17984.

Kinboshi M, et al. (2019) Down-Regulation of Astrocytic Kir4.1 Channels during the Audiogenic Epileptogenesis in Leucine-Rich Glioma-Inactivated 1 (Lgi1) Mutant Rats. *International journal of molecular sciences*, 20(5).