

Resource Summary Report

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

LEA.F344-(D20Rat47-D20Mgh4)/Tj

RRID:RGD_10045590

Type: Organism

Proper Citation

RRID:RGD_10045590

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=10045590>

Proper Citation: RRID:RGD_10045590

Description: Rattus norvegicus with name LEA.F344-(D20Rat47-D20Mgh4)/Tj from RGD.

Species: Rattus norvegicus

Notes: Long-Evans Agouti (LEA), type 2 diabetes model, dies from lymphocytic insulinitis induced by radiation (4 Gy). This LEA.F344-(D20Rat47-D20Mgh4) strain is a congenic strain made by introducing a segment of chromosome 20 (D20Rat47-D20Mgh4) from F344 strain into LEA strain. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 10045590

Background: congenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm

Alternate IDs: 10045590

Organism Name: LEA.F344-(D20Rat47-D20Mgh4)/Tj

Record Creation Time: 20230509T191946+0000

Record Last Update: 20260829T184949+0000

Ratings and Alerts

No rating or validation information has been found for LEA.F344-(D20Rat47-D20Mgh4)/Tj.

No alerts have been found for LEA.F344-(D20Rat47-D20Mgh4)/Tj.

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.