

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

F344-Depdc5^{em2Kyo}+/-

RRID:RGD_38599158

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=38599158>

Proper Citation: RRID:RGD_38599158

Description: Rattus norvegicus with name F344-Depdc5^{em2Kyo}+/- from RGD.

Species: Rattus norvegicus

Notes: TALEN mRNAs targeting exon 2 of rat Depdc5 were microinjected into fertilized eggs of Fisher 344 (F344) rats to yield two founder mutant rats named Depdc5em1kyo (c.40_44delins17/p.Gly15*) and Depdc5em2kyo (c.39_55delinsT/p.Lys13fs*8). The genome edited fragment was identified by PCR. A 267 bp band was detected for wildtype, a 279 bp band for Depdc5em1kyo mutant and a 251 bp band for Depdc5em2kyo mutant. Depdc5 mutant homozygous pups were never observed at birth. Deletion of both alleles resulted in in utero lethality started around E14.5. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 38599158

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 38599158

Organism Name: F344-Depdc5^{em2Kyo}+/-

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260725T194306+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Depdc5*^{em2Kyo}+/-.

No alerts have been found for F344-*Depdc5*^{em2Kyo}+/-.

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.