

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

F344-Depdc5^{em1Kyo+/-}

RRID:RGD_38599157

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=38599157>

Proper Citation: RRID:RGD_38599157

Description: Rattus norvegicus with name F344-Depdc5^{em1Kyo+/-} 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 Bio Resource Project Rat in Japan

Catalog Number: 38599157

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 38599157

Organism Name: F344-Depdc5^{em1Kyo+/-}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260725T194306+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Depdc5*^{em1Kyo+/-}.

No alerts have been found for F344-*Depdc5*^{em1Kyo+/-}.

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.