

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

ZDF-*Lep^{fa/fa}*/CrI

RRID:RGD_2311071

Type: Organism

Proper Citation

RRID:RGD_2311071

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=2311071>

Proper Citation: RRID:RGD_2311071

Description: Rattus norvegicus with name ZDF-*Lep^{fa/fa}*/CrI from RGD.

Species: Rattus norvegicus

Notes: A mutation occurred in a colony of outbred Zucker rats in the laboratory of Dr. Walter Shaw at Eli Lilly Research Laboratories in Indianapolis, IN in 1974???75. Part of this colony containing the mutation was moved to Indiana University Medical School (IUMS), to the laboratory of Dr. Julia Clark in 1977. Several groups of animals with diabetic lineage were identified and rederived in 1981. Inbreeding of selected pairs from this rederivation was done in the laboratory of Dr. Richard Peterson at IUMS. An inbred line of ZDF rat was established in 1985. To Genetic Models, Inc. in 1991. To Charles River in 2001. Control models for the ZDF Rat (Obese *fa/fa*) are the ZDF Rat (Lean *fa/+*) or ZDF Rat (Lean *+/?*). [Charles River Laboratories](#)

Catalog Number: 2311071

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 2311071

Organism Name: ZDF-*Lep^{fa/fa}*/CrI

Record Creation Time: 20230509T191939+0000

Record Last Update: 20260905T135224+0000

Ratings and Alerts

No rating or validation information has been found for ZDF-*Lep^{fa/fa}*/Crl.

No alerts have been found for ZDF-*Lep^{fa/fa}*/Crl.

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 [dkNET](#) .

Yao T, et al. (2026) Hypothalamic malate dehydrogenase 2 modulates systemic glucose metabolism through oxytocin-mediated thermogenesis. Cell reports. Medicine, 7(2), 102616.

Melander SA, et al. (2023) Dual amylin and calcitonin receptor agonist treatment reduces biomarkers associated with kidney fibrosis in diabetic rats. American journal of physiology. Endocrinology and metabolism, 325(5), E529.