

Resource Summary Report

Generated by [dkNET](#) on Sep 2, 2026

Crl:ZUC-Lepr^{fa}

RRID:RGD_1357184

Type: Organism

Proper Citation

RRID:RGD_1357184

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=1357184>

Proper Citation: RRID:RGD_1357184

Description: Rattus norvegicus with name Crl:ZUC-Lepr^{fa} from RGD.

Species: Rattus norvegicus

Notes: The obese and fatty condition appeared spontaneously in the 13M stock and was reported by Lois Zucker and Theodore Zucker in 1960 at the Laboratory of Comparative Pathology in Stow, Massachusetts. These came to Charles River in 1985 from a research colony maintained at a pharmaceutical company. [Charles River Laboratories](#)

Catalog Number: 1357184

Background: outbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 1357184

Organism Name: Crl:ZUC-Lepr^{fa}

Record Creation Time: 20230509T191931+0000

Record Last Update: 20260829T184923+0000

Ratings and Alerts

No rating or validation information has been found for Crl:ZUC-*Lepr*^{fa}.

No alerts have been found for Crl:ZUC-*Lepr*^{fa}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Kucharova K, et al. (2026) Postinjury Carnosine Treatment Prevents Neurotrophic Factor Decline in Denervated Muscle and Spinal Cord After Traumatic Injury. The European journal of neuroscience, 63(6), e70461.

Reimer RA, et al. (2014) Combining sitagliptin/metformin with a functional fiber delays diabetes progression in Zucker rats. The Journal of endocrinology, 220(3), 361.

Reimer RA, et al. (2012) Sitagliptin reduces hyperglycemia and increases satiety hormone secretion more effectively when used with a novel polysaccharide in obese Zucker rats. The Journal of nutrition, 142(10), 1812.

Grover GJ, et al. (2011) Effects of the Soluble Fiber Complex PolyGlycopleX on Glucose Homeostasis and Body Weight in Young Zucker Diabetic Rats. Frontiers in pharmacology, 2, 47.

Grover GJ, et al. (2011) Effects of the soluble fiber complex PolyGlycopleX® (PGX®) on glycemic control, insulin secretion, and GLP-1 levels in Zucker diabetic rats. Life sciences, 88(9-10), 392.