

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

Crl:CD(SD)

RRID:RGD_734476

Type: Organism

Proper Citation

RRID:RGD_734476

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=734476>

Proper Citation: RRID:RGD_734476

Description: Rattus norvegicus with name Crl:CD(SD) from RGD.

Species: Rattus norvegicus

Notes: Originated in 1925 by Robert W. Dawley from a hybrid hooded male and a female Wistar rat. To CRL in 1950 from Sprague Dawley, Inc. Caesarean rederived in 1955 from original Charles River Sprague Dawley. colonies. In 1991, 8 colonies were selected to form the IGS Foundation Colony. Rederived into isolator foundation colony in 1997. IGS refers to animals bred using the CRL International Genetic Standard system. [Charles River Laboratories](#)

Catalog Number: 734476

Background: outbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 734476

Organism Name: Crl:CD(SD)

Record Creation Time: 20230509T191931+0000

Record Last Update: 20260829T184922+0000

Ratings and Alerts

No rating or validation information has been found for Crl:CD(SD).

No alerts have been found for Crl:CD(SD).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 220 mentions in open access literature.

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

Leduc-Pessah H, et al. (2026) Runx1 transcription factor modulates opioid analgesia and withdrawal in humans and rodents. *Neuron*, 114(5), 903.

Findlay G, et al. (2026) A hippocampal 'sharp-wave sleep' state that is dissociable from cortical sleep. *Nature neuroscience*, 29(2), 399.

Ohashi T, et al. (2026) ZSTK3744, a Novel Aryl Hydrocarbon Receptor Agonist, Exhibits Efficacy against Chemotherapy-Resistant Triple-Negative Breast Cancer. *Cancer research communications*, 6(2), 421.

Liu H, et al. (2026) Sequential changes in calcium transients during M phase regulate cardiomyocyte proliferation. *The Journal of cell biology*, 225(8).

Saltzman JE, et al. (2026) Correlating ultrasonic communication with behavior in a small-scale rat colony living in a naturalistic habitat. *iScience*, 29(5), 115735.

Kitakaze K, et al. (2026) AAV-based gene therapy with modified HEXB confers lasting therapeutic benefits in GM2 gangliosidosis models. *Cell reports. Medicine*, 7(5), 102762.

Bilgin SN, et al. (2026) Direct comparison of temporal error monitoring in humans and rats. *iScience*, 29(5), 115531.

Hirschhorn M, et al. (2026) Sex differences in the effects of chronic stress and oxycodone associative learning on glial markers in rat hippocampus. *Neuroscience*, 610, 147.

Macon E, et al. (2026) Role of dopamine in the development of impaired counterregulation and impaired awareness of hypoglycemia. *Cell reports. Medicine*, 7(4), 102710.

Cheng Z, et al. (2026) Discovery of a peripherally restricted μ 2AAR agonist as a safe and broad-spectrum oral analgesic. *Cell reports. Medicine*, 7(7), 102864.

Ganggang K, et al. (2025) From Molecular Docking to Rat Models: Butyrate From a High-Fiber Diet Inhibits HDAC1 and NLRP3 Inflammasome to Alleviate Oxidative Stress and Inflammation After Spinal Cord Injury. *Journal of neurochemistry*, 169(10), e70250.

Guo H, et al. (2025) The development and evaluation of a tublysine-based antibody-drug conjugate with enhanced tumor therapeutic efficacy. *Frontiers in pharmacology*, 16, 1532104.

D'Ottavio G, et al. (2025) Behavioural and pharmacokinetic analysis of heroin and cocaine self-administration: Effects of timeout on self-administration and choice in male rats. *British journal of pharmacology*, 182(13), 2968.

Kumar M, et al. (2025) Triglycerides are an important fuel reserve for synapse function in the brain. *Nature metabolism*, 7(7), 1392.

Nisi AV, et al. (2025) Sugar type and route of delivery influence insulin and glucose-dependent insulintropic polypeptide responses in rats. *American journal of physiology. Endocrinology and metabolism*, 329(2), E210.

Ibáñez Alcalá RJ, et al. (2025) A modular, adaptable, and accessible implant kit for chronic electrophysiological recordings in rats. *Cell reports methods*, 5(9), 101146.

, et al. (2025) Erratum: Analysis of mitochondrial Complex I activity and ATP hydrolysis capacity of ATP synthase in developing rat brains using frozen tissues. *microPublication biology*, 2025.

Elmelund E, et al. (2025) Subtle morphological and molecular responses to low-dose diethylstilbestrol in the developing rat penis. *Reproductive toxicology (Elmsford, N.Y.)*, 140, 109149.

Radnai L, et al. (2025) Development of clinically viable non-muscle myosin II small molecule inhibitors. *Cell*, 188(17), 4604.

Pulido C, et al. (2025) Neuromodulatory control of energy reserves in dopaminergic neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 122(50), e2523019122.