

Resource Summary Report

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

RjHan:SD

RRID:RGD_38676310

Type: Organism

Proper Citation

RRID:RGD_38676310

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=38676310>

Proper Citation: RRID:RGD_38676310

Description: Rattus norvegicus with name RjHan:SD from RGD.

Species: Rattus norvegicus

Notes: The outbred strain [Sprague-Dawley] was created by R. W. Dawley in 1925, from a hooded male hybrid of unknown origin and an albino female (probably Wistar), and was crossed with the female's progeny for 7 generations. Janvier Labs received from Zentralinstitut für Versuchstierzucht (Hannover) in 1982.

Catalog Number: 38676310

Background: outbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals (as of 2020-09-17)

Alternate IDs: 38676310

Organism Name: RjHan:SD

Record Creation Time: 20230509T191950+0000

Record Last Update: 20260829T184955+0000

Ratings and Alerts

No rating or validation information has been found for RjHan:SD.

No alerts have been found for RjHan:SD.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Bellofatto K, et al. (2026) Implantable vascularized endocrine constructs for clinically scalable insulin delivery. Trends in biotechnology.

Ranjan R, et al. (2025) N-glycosylation modulates the inactivation kinetics of the Kv3.4 ion channel. iScience, 28(9), 113409.

Sarhan MH, et al. (2024) Zinc Oxide and Magnesium-Doped Zinc Oxide Nanoparticles Ameliorate Murine Chronic Toxoplasmosis. Pharmaceuticals (Basel, Switzerland), 17(1).

Bessières B, et al. (2024) Synaptic rearrangement of NMDA receptors controls memory engram formation and malleability in the cortex. Science advances, 10(35), eado1148.

Bär J, et al. (2024) Non-canonical function of ADAM10 in presynaptic plasticity. Cellular and molecular life sciences : CMLS, 81(1), 342.

Bartelt-Kirbach B, et al. (2023) Regulation of rat HspB5/alphaB-Crystallin by microRNAs miR-101a-3p, miR-140-5p, miR-330-5p, and miR-376b-3p. Cell stress & chaperones, 28(6), 787.

Trigo F, et al. (2023) Analogue signaling of somatodendritic synaptic activity to axon enhances GABA release in young cerebellar molecular layer interneurons. eLife, 12.

Silva B, et al. (2022) Chitosan and Hyaluronic Acid Nanoparticles as Vehicles of Epoetin Beta for Subconjunctival Ocular Delivery. Marine drugs, 20(2).

Dorrego-Rivas A, et al. (2022) The core PCP protein Prickle2 regulates axon number and AIS maturation by binding to AnkG and modulating microtubule bundling. Science advances, 8(36), eabo6333.

Boyer DD, et al. (2022) Danicopan, an Oral Complement Factor D Inhibitor, Exhibits High and Sustained Exposure in Ocular Tissues in Preclinical Studies. Translational vision science & technology, 11(10), 37.

Jíchová Š, et al. (2021) Kidney Response to Chemotherapy-Induced Heart Failure: mRNA Analysis in Normotensive and Ren-2 Transgenic Hypertensive Rats. *International journal of molecular sciences*, 22(16).

Kratky V, et al. (2021) AT1 receptor blocker, but not an ACE inhibitor, prevents kidneys from hypoperfusion during congestive heart failure in normotensive and hypertensive rats. *Scientific reports*, 11(1), 4271.

Kala P, et al. (2021) Effects of Epoxyeicosatrienoic Acid-Enhancing Therapy on the Course of Congestive Heart Failure in Angiotensin II-Dependent Rat Hypertension: From mRNA Analysis towards Functional In Vivo Evaluation. *Biomedicines*, 9(8).

Kala P, et al. (2020) Deleterious Effects of Hyperactivity of the Renin-Angiotensin System and Hypertension on the Course of Chemotherapy-Induced Heart Failure after Doxorubicin Administration: A Study in Ren-2 Transgenic Rat. *International journal of molecular sciences*, 21(24).

Žertíková Chábová V, et al. (2019) Addition of Endothelin A-Receptor Blockade Spoils the Beneficial Effect of Combined Renin-Angiotensin and Soluble Epoxide Hydrolase Inhibition: Studies on the Course of Chronic Kidney Disease in 5/6 Nephrectomized Ren-2 Transgenic Hypertensive Rats. *Kidney & blood pressure research*, 44(6), 1493.

Vacková Š, et al. (2019) Altered Renal Vascular Responsiveness to Vasoactive Agents in Rats with Angiotensin II-Dependent Hypertension and Congestive Heart Failure. *Kidney & blood pressure research*, 44(4), 792.