

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

SD

RRID:RGD_70508

Type: Organism

Proper Citation

RRID:RGD_70508

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=70508>

Proper Citation: RRID:RGD_70508

Description: Rattus norvegicus with name SD from RGD.

Species: Rattus norvegicus

Notes: This strain was initiated by R. Dawley, Sprague-Dawley Company, Madison, Wisconsin in 1925. A hybrid hooded male of unknown origin was mated to a white female (Douredoure strain, probably Wistar) and subsequently to his white female offspring for 7 generations. All the current colonies are from this original stock.

Catalog Number: 70508

Background: outbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 70508

Organism Name: SD

Record Creation Time: 20230509T191929+0000

Record Last Update: 20260815T190641+0000

Ratings and Alerts

No rating or validation information has been found for SD.

No alerts have been found for SD.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 79608 mentions in open access literature.

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

Oronel LH, et al. (2026) Participation of Endothelin in the postnatal development of the rat kidney: Molecular mechanisms involved. PloS one, 21(7), e0353524.

Almajidi YQ, et al. (2026) In Silico Preformulation Modeling, Solubility Enhancement, and Sustainable Release of Rebamipide Utilizing Deep Eutectic Mixture Loaded Bioadhesive Controlled Release Granules for Gastritis Treatment. Pharmaceutics, 18(5).

Lin L, et al. (2026) Octopus sucker-inspired, Turkish gall extract-integrated microneedle patch for oral ulcer mitigation. iScience, 29(5), 115557.

Huang Y, et al. (2026) Oral delivery of GLP-1 analogues by recombinant Lactococcus lactis restores pancreatic islet structure through intestinal mucosal absorption in diabetic mice. EBioMedicine, 124, 106141.

Handlin LJ, et al. (2026) Sequential membrane remodeling by cholesterol distinctly modulates HCN channels in naïve and neuropathic DRG neurons. The Journal of general physiology, 158(3).

Liu TH, et al. (2026) Dynamic Regulation of Ferroptosis in a Neonatal Rat Model of Postnatal Hypoxia-Induced Acute Kidney Injury. Antioxidants (Basel, Switzerland), 15(5).

Liu J, et al. (2026) Synergistic Renoprotective Effects of Moderate-Intensity Resistance Training and Vitamin D Supplementation on a Type 2 Diabetic Nephropathy Rat Model. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(11), e71894.

Gu L, et al. (2026) SGLT2 Inhibition Attenuates Renal Tubular Senescence by Suppressing CTRP1-Mediated Glucotoxic Stress in Diabetic Kidney Disease. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(14), e72142.

Zhang W, et al. (2026) Amelioration of neurogenic erectile dysfunction by ST36 electroacupuncture. iScience, 29(7), 116159.

Jiang YY, et al. (2026) Ze-qi Decoction Inhibits Neutrophil Extracellular Trap Formation to Suppress the Progression and Metastasis of Non-Small Cell Lung Cancer. Integrative cancer therapies, 25, 15347354261420750.

Ramos-Álvarez I, et al. (2026) Role of serine/threonine phosphatases 1 and 2A in pancreatic acinar fluid and electrolyte secretion. American journal of physiology. Gastrointestinal and liver physiology.

Chauhan M, et al. (2026) Targeting of Itch by clomipramine or gene therapy improves cognitive defects related to Alzheimer's disease. iScience, 29(4), 115181.

Tian M, et al. (2026) MG53 protects against septic cardiac dysfunction by ubiquitinating ATF2. Journal of advanced research, 79, 263.

Meng F, et al. (2026) Chitooligosaccharides Improves Severe Acute Pancreatitis by Reducing Intestinal Mucosal Injury and Regulating Intestinal Microbiota. Probiotics and antimicrobial proteins, 18(2), 2187.

Quan J, et al. (2026) Median Raphe projection into the dorsal dentate gyrus modulates anxiety behavior and coping with learning under stress. Scientific reports, 16(1), 6913.

Chenu E, et al. (2026) Antiplasmodial Activity and Pharmacokinetic Profiling of Cryptolepine and 2,7-Dibromocryptolepine With a View to Informing the Design of Novel Antimalarial Cryptolepine Analogues. Drug development research, 87(2), e70245.

Farid A, et al. (2026) Dose-dependent effects of camel milk on immune function and metabolic health in weaning rats. Scientific reports, 16(1), 4802.

Sun J, et al. (2026) Liquid biopsy of plasma and urinary CfDNA differentiates glioma recurrence from radiation brain necrosis in preclinical models. Scientific reports, 16(1), 7123.

Liu Q, et al. (2026) Acutely denervated muscle EVs reshape neuronal mitochondrial metabolism via retrograde signaling to rescue peripheral nerve injury. Cell reports. Medicine, 7(2), 102585.

Dören J, et al. (2026) Pharmacological rescue of social deficits in rats featuring Disrupted-in-Schizophrenia-1 (DISC1) protein aggregation. Schizophrenia (Heidelberg, Germany), 12(1), 16.