

Resource Summary Report

Generated by NIF on Aug 9, 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: 20260808T193712+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).

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 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.

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

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).

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.

Guo J, et al. (2026) Therapeutic effects of low-intensity transcranial focused ultrasound stimulation on ischemic stroke in rats: An in vivo evaluation using electrical impedance tomography. *Neural regeneration research*, 21(3), 1183.

Haider A, et al. (2026) Preclinical development of [18F]TAAR1-2203 as a PET radioligand for imaging TAAR1 expression and receptor occupancy. *European journal of nuclear medicine and molecular imaging*, 53(4), 2540.

Hu F, et al. (2026) Cardioprotection via vagus nerve stimulation preconditioning: Reducing ischaemia-reperfusion injury and arrhythmic risk. *Experimental physiology*, 111(3), 714.

Wei J, et al. (2026) Targeting the muscle-brain axis to improve post-stroke cognition via the FNDC5/irisin/BDNF pathway. *Journal of advanced research*, 85, 853.

Zhao QK, et al. (2026) Electroacupuncture Alleviates Brain Injury Through Vagus Nerve Activation and Gut Microbiota in a Rat Model of Ischemic Stroke. *Journal of the American Heart Association*, 15(1), e045929.

Xiong LL, et al. (2026) Single-Nucleus RNA Sequencing Reveals Mid-Gestational Neurodevelopment Features in the Superior Temporal Plane from Fetuses with Nonsyndromic Cleft Lip and Palate. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(1), e04191.

Ratner MH, et al. (2026) Age and associated hypertension impair hippocampal circuitry function and memory. *GeroScience*, 48(2), 1571.

Zhou J, et al. (2026) Multi-omics-informed hydrogel design: modulating IL-6 to reduce endoplasmic reticulum stress in bone regeneration. *Bioactive materials*, 56, 95.