Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 10, 2025

SPRD

RRID:RGD_1566457
Type: Organism

Proper Citation

RRID:RGD_1566457

Organism Information

URL: https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=1566457

Proper Citation: RRID:RGD_1566457

Description: Rattus norvegicus with name SPRD from RGD.

Species: Rattus norvegicus

Notes: From outbred Han:SPRD (Sprague-Dawley) rats. Dominant pelage mutation designatedcurly-3 (Cu3) occured in 1975 at the Gesellschaft fur Strahlenforschung, Dortmund, Germany.Mutant animals returned to Hannover where inbreeding begun in 1976 (Greenhouse et al 1990).

Catalog Number: 1566457

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Organism Name: SPRD

Record Creation Time: 20230509T191932+0000

Record Last Update: 20240130T020227+0000

Ratings and Alerts

No rating or validation information has been found for SPRD.

No alerts have been found for SPRD.

Data and Source Information

Source: Integrated Animals

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Guo X, et al. (2024) Ultrasound-targeted microbubble technology facilitates SAHH gene delivery to treat diabetic cardiomyopathy by activating AMPK pathway. iScience, 27(2), 108852.

Grüter T, et al. (2023) Propionate exerts neuroprotective and neuroregenerative effects in the peripheral nervous system. Proceedings of the National Academy of Sciences of the United States of America, 120(4), e2216941120.

Wang X, et al. (2022) Up-regulation of cell division cycle 20 expression alters the morphology of neuronal dendritic spines in the nucleus accumbens by promoting FMRP ubiquitination. Journal of neurochemistry, 162(2), 166.

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.

Jeon YK, et al. (2022) Lower troponin expression in the right ventricle of rats explains interventricular differences in E-C coupling. The Journal of general physiology, 154(3).

Liu J, et al. (2021) Activation of trace amine-associated receptor 1 selectively attenuates the reinforcing effects of morphine. British journal of pharmacology, 178(4), 933.

Wu J, et al. (2020) microRNA-9-5p alleviates blood-brain barrier damage and neuroinflammation after traumatic brain injury. Journal of neurochemistry, 153(6), 710.

Liang L, et al. (2020) Involvement of homodomain interacting protein kinase 2-c-Jun N-terminal kinase/c-Jun cascade in the long-term synaptic toxicity and cognition impairment induced by neonatal Sevoflurane exposure. Journal of neurochemistry, 154(4), 372.

Noël G, et al. (2020) Agrin plays a major role in the coalescence of the aquaporin-4 clusters induced by gamma-1-containing laminin. The Journal of comparative neurology, 528(3), 407.

Achanta S, et al. (2020) A Comprehensive Integrated Anatomical and Molecular Atlas of Rat Intrinsic Cardiac Nervous System. iScience, 23(6), 101140.

Marte A, et al. (2019) Leucine-rich repeat kinase 2 phosphorylation on synapsin I regulates glutamate release at pre-synaptic sites. Journal of neurochemistry, 150(3), 264.

Horton TM, et al. (2019) Zinc-Chelating Small Molecules Preferentially Accumulate and Function within Pancreatic ? Cells. Cell chemical biology, 26(2), 213.

Moritz CP, et al. (2019) Poor transcript-protein correlation in the brain: negatively correlating gene products reveal neuronal polarity as a potential cause. Journal of neurochemistry, 149(5), 582.

Pellegrino G, et al. (2018) A comparative study of the neural stem cell niche in the adult hypothalamus of human, mouse, rat and gray mouse lemur (Microcebus murinus). The Journal of comparative neurology, 526(9), 1419.

Abdolazimi Y, et al. (2018) CC-401 Promotes ?-Cell Replication via Pleiotropic Consequences of DYRK1A/B Inhibition. Endocrinology, 159(9), 3143.

Dustrude ET, et al. (2018) Orexin Depolarizes Central Amygdala Neurons via Orexin Receptor 1, Phospholipase C and Sodium-Calcium Exchanger and Modulates Conditioned Fear. Frontiers in neuroscience, 12, 934.

Luque-García A, et al. (2018) Neural oscillations in the infralimbic cortex after electrical stimulation of the amygdala. Relevance to acute stress processing. The Journal of comparative neurology, 526(8), 1403.

Wang L, et al. (2018) The role of S-nitrosylation of kainate-type of ionotropic glutamate receptor 2 in epilepsy induced by kainic acid. Journal of neurochemistry, 144(3), 255.

Edwards AB, et al. (2018) Assessment of therapeutic window for poly-arginine-18D (R18D) in a P7 rat model of perinatal hypoxic-ischaemic encephalopathy. Journal of neuroscience research, 96(11), 1816.