Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

SCR/Sscr

RRID:RGD_11564350
Type: Organism

Proper Citation

RRID:RGD_11564350

Organism Information

URL: https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=11564350

Proper Citation: RRID:RGD_11564350

Description: Rattus norvegicus with name SCR/Sscr from RGD.

Species: Rattus norvegicus

Notes: Genetic Cataract rat SCR?Shumiya Cataract Rat?was segrigated from a SHR-fa strain colony that developed nuclear cataract at adult stage. This strain is a double mutant caused by recessive gene (ctr1) and dominant lethal gene (Ctr2l) and established by Dr. Shumiya at Tokyo Metropolitan Institute of Gerontology. In 2003, this strain was introduced to Kyoritsu College of Pharmacy (keio University Faculty of Pharmacy). ctr1 is lanosterol synthase (Lss) and Ctr2 is farnesyl diphosphate farnesyl transferase 1 (Fdft1).

Catalog Number: 11564350

Background: congenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2016-11-16)

Alternate IDs: 11564350

Organism Name: SCR/Sscr

Record Creation Time: 20230509T191947+0000

Record Last Update: 20260808T193742+0000

Ratings and Alerts

No rating or validation information has been found for SCR/Sscr.

No alerts have been found for SCR/Sscr.

Data and Source Information

Source: Integrated Animals

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Yamamoto M, et al. (2025) Novel Role of Copper Transporter CTR1 and Therapeutic Potential of Copper Chelators in Retinal Ischemia-Reperfusion Injury. Investigative ophthalmology & visual science, 66(12), 70.

Zhu S, et al. (2024) Mitochondrial copper overload promotes renal fibrosis via inhibiting pyruvate dehydrogenase activity. Cellular and molecular life sciences : CMLS, 81(1), 340.