

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

SHR/N-*cp*

RRID:RRRC_00231

Type: Organism

Proper Citation

RRID:RRRC_00231

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=728195

Proper Citation: RRID:RRRC_00231

Description: Rattus norvegicus with name SHR/N-*cp* from RGD.

Species: Rattus norvegicus

Notes: The spontaneously hypertensive corpulent (SHR/N-*cp*) rat developed at the National Institutes of Health (NIH) is a congenic strain in which obese homozygotes {*cp/cp*} are characterized by genetic obesity, mild hypertension, hyper-insulinemia, and glucose intolerance. This rat strain was initially derived by mating a male Koletsky rat that was heterozygous for the corpulent gene (*cp*/+) to a female SHR rat of the Okamoto strain. A minimum of 12 backcrosses were carried out to eliminate the non-*cp* genes of the Koletsky strain. The obese (*cp/cp*) littermates develop glucosuria, proteinuria, and renal structural lesions resembling diabetic glomerulosclerosis. [Rat Resource and Research Center](#)

Catalog Number: 00231

Background: congenic

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Cryopreserved Embryo (as of 2021-01-20)

Alternate IDs: RGD_728195, 728195, RRRC_231, RRRC_0231, RRRC_00231

Organism Name: SHR/N-*cp*

Record Creation Time: 20230607T202005+0000

Record Last Update: 20260808T100718+0000

Ratings and Alerts

No rating or validation information has been found for SHR/N-*cp* .

No alerts have been found for SHR/N-*cp* .

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.