

Resource Summary Report

Generated by [dkNET](#) on Sep 18, 2026

CD-Slc30a10^{em1}Sommu

RRID:RRRC_00996

Type: Organism

Proper Citation

RRID:RRRC_00996

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=401795484

Proper Citation: RRID:RRRC_00996

Description: Rattus norvegicus with name CD-Slc30a10^{em1}Sommu from RGD.

Species: Rattus norvegicus

Notes: Exon 1 of Slc30a10 was targeted using CRISPR/Cas9 in the Crl:CD(SD) embryos . A mosaic founder that transmitted a 248 bp deletion in exon 1 of Slc30a10 leading to an out of frame mutation after amino acid 22 was bred to a CD rat to select for the above deletion and establish the line. The strain will be deposited to [Rat Resource and Research Center](#)

Catalog Number: 00996

Background: mutant

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Cryopreserved Sperm (as of 2023-09-11)

Alternate IDs: RGD_401795484, 401795484, RRRC_996, RRRC_0996, RRRC_00996

Organism Name: CD-Slc30a10^{em1}Sommu

Record Creation Time: 20240129T234954+0000

Record Last Update: 20260912T111901+0000

Ratings and Alerts

No rating or validation information has been found for CD-*Slc30a10*^{em1Sommel} .

No alerts have been found for CD-*Slc30a10*^{em1Sommel} .

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Hutchens S, et al. (2024) Elevated thyroid manganese reduces thyroid iodine to induce hypothyroidism in mice, but not rats, lacking SLC30A10 transporter. Metallomics : integrated biometal science, 16(7).