

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

SD-Chrna6^{em2Slot}

RRID:RRRC_00985

Type: Organism

Proper Citation

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Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=155900757

Proper Citation: RRID:RRRC_00985

Description: Rattus norvegicus with name SD-Chrna6^{em2Slot} from RGD.

Species: Rattus norvegicus

Notes: Using CRISPR/Cas9 genomic engineering in rats via homologous end-joining in fertilized embryos, we have knocked'in a humanized CHRNA6 3'UTR in place of the natural CHRNA6 3'UTR of the Sprague Dawley rat line. This new genetically modified CHRNA6C123G humanized rat line carries a homozygous CC nucleotide modification at position 123 within the CHRNA6 gene 3'UTR. The laboratory has deposited these strains with the [Rat Resource and Research Center](#)

Catalog Number: 00985

Background: mutant

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Unknown (as of 2023-12-19)

Alternate IDs: RGD_155900757, 155900757, RRRC_985, RRRC_0985, RRRC_00985

Organism Name: SD-Chrna6^{em2Slot}

Record Creation Time: 20240129T234954+0000

Record Last Update: 20260905T094653+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Chrna6*^{em2Slot} .

No alerts have been found for SD-*Chrna6*^{em2Slot} .

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 [NIF](#) .

Carre??o D, et al. (2024) Sub-chronic nicotine exposure influences methamphetamine self-administration and dopamine overflow in a sex-and genotype-dependent manner in humanized CHRNA6 3'-UTR SNP (rs2304297) adolescent rats. *Frontiers in pharmacology*, 15, 1445303.