

Resource Summary Report

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SD-Tg(SNCA)Nuber

RRID:RGD_597538592

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=597538592>

Proper Citation: RRID:RGD_597538592

Description: Rattus norvegicus with name SD-Tg(SNCA)Nuber from RGD.

Species: Rattus norvegicus

Notes: For the generation of transgenic rats, the authors used a 190-kb fused AF163864 PAC/AC097478 BAC clone (Yamakado et al., 2012, PMID:22475625). It contained the entire human SNCA sequence (GenBank AF163864), with 30-kb upstream regulatory promoter sequences and a 45-kb flanking downstream region, cloned into pBACe3.6 vector as described previously. Transgenic rats were obtained by injecting the purified BAC fragment into fertilized Sprague–Dawley oocytes at a concentration of 1.5 µg/ml. A founder line displaying the highest integration number of BAC DNA construct was crossedbred to homozygosity.

Catalog Number: 597538592

Background: transgenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 597538592

Organism Name: SD-Tg(SNCA)Nuber

Record Creation Time: 20250225T002834+0000

Record Last Update: 20260801T194052+0000

Ratings and Alerts

No rating or validation information has been found for SD-Tg(SNCA)Nuber.

No alerts have been found for SD-Tg(SNCA)Nuber.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.