

Resource Summary Report

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

FVB;129S6-Tg(SNCA*A53T)1Nbm Snca^{tm1Nbm} Tg(SNCA*A53T)2Nbm/J

RRID:IMSR_JAX:010799

Type: Organism

Proper Citation

RRID:IMSR_JAX:010799

Organism Information

URL: <https://www.jax.org/strain/010799>

Proper Citation: RRID:IMSR_JAX:010799

Description: Mus musculus with name FVB;129S6-Tg(SNCA*A53T)1Nbm Snca^{tm1Nbm} Tg(SNCA*A53T)2Nbm/J from IMSR.

Species: Mus musculus

Synonyms: FVB;129S6-Snca Tg(SNCA*A53T)1Nbm Tg(SNCA*A53T)2Nbm/J. dbl-PAC-Tg(SNCAA53T);Snca-/-

Notes: gene symbol note: synuclein alpha|transgene insertion 1; Robert L Nussbaum|transgene insertion 2; Robert L Nussbaum|synuclein; alpha; mutant stock: SNCA|Tg(SNCA*A53T)1Nbm|Tg(SNCA*A53T)2Nbm|Snca

Affected Gene: synuclein alpha|transgene insertion 1; Robert L Nussbaum|transgene insertion 2; Robert L Nussbaum|synuclein; alpha

Genomic Alteration: transgene insertion 1; Robert L Nussbaum|transgene insertion 2; Robert L Nussbaum|targeted mutation 1; Robert L Nussbaum

Catalog Number: JAX:010799

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB;129S6-Tg(SNCA*A53T)1Nbm Snca^{tm1Nbm} Tg(SNCA*A53T)2Nbm/J

Record Creation Time: 20250513T053717+0000

Record Last Update: 20260912T060503+0000

Ratings and Alerts

No rating or validation information has been found for FVB;129S6-Tg(SNCA*A53T)1Nbm Snca^{tm1Nbm} Tg(SNCA*A53T)2Nbm/J.

No alerts have been found for FVB;129S6-Tg(SNCA*A53T)1Nbm Snca^{tm1Nbm} Tg(SNCA*A53T)2Nbm/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Radisavljevic N, et al. (2024) Microbiota-mediated effects of Parkinson's disease medications on Parkinsonian non-motor symptoms in male transgenic mice. mSphere, 9(1), e0037923.

Yang Y, et al. (2024) Calcium influx: An essential process by which α -Synuclein regulates morphology of erythrocytes. Journal of advanced research, 62, 187.

Chandra R, et al. (2023) Gut mucosal cells transfer α -synuclein to the vagus nerve. JCI insight, 8(23).

Krejciova Z, et al. (2019) Replication of multiple system atrophy prions in primary astrocyte cultures from transgenic mice expressing human α -synuclein. Acta neuropathologica communications, 7(1), 81.