

Resource Summary Report

Generated by ASWG on Aug 9, 2026

C57BL/6J-Tg(Th-SNCA*A30P*A53T)39Eric/J

RRID:IMSR_JAX:008239

Type: Organism

Proper Citation

RRID:IMSR_JAX:008239

Organism Information

URL: <https://www.jax.org/strain/008239>

Proper Citation: RRID:IMSR_JAX:008239

Description: Mus musculus with name C57BL/6J-Tg(Th-SNCA*A30P*A53T)39Eric/J from IMSR.

Species: Mus musculus

Synonyms: B6J(hm2>39)

Notes: gene symbol note: tyrosine hydroxylase|synuclein alpha|transgene insertion 39; Eric K Richfield; coisogenic strain: Th|SNCA|Tg(Th-SNCA*A30P*A53T)39Eric

Affected Gene: tyrosine hydroxylase|synuclein alpha|transgene insertion 39; Eric K Richfield

Genomic Alteration: transgene insertion 39; Eric K Richfield

Catalog Number: JAX:008239

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6J-Tg(Th-SNCA*A30P*A53T)39Eric/J

Record Creation Time: 20250513T053707+0000

Record Last Update: 20260808T050912+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Tg(Th-SNCA*A30P*A53T)39Eric/J.

No alerts have been found for C57BL/6J-Tg(Th-SNCA*A30P*A53T)39Eric/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Kilpeläinen TP, et al. (2023) Nonpeptidic Oxazole-Based Prolyl Oligopeptidase Ligands with Disease-Modifying Effects on α -Synuclein Mouse Models of Parkinson's Disease. *Journal of medicinal chemistry*, 66(11), 7475.

Rauschenberger L, et al. (2022) Age-dependent neurodegeneration and neuroinflammation in a genetic A30P/A53T double-mutated α -synuclein mouse model of Parkinson's disease. *Neurobiology of disease*, 171, 105798.

Yan J, et al. (2022) Cdk5 phosphorylation-induced SIRT2 nuclear translocation promotes the death of dopaminergic neurons in Parkinson's disease. *NPJ Parkinson's disease*, 8(1), 46.

Tiwari S, et al. (2022) UBA52 Is Crucial in HSP90 Ubiquitylation and Neurodegenerative Signaling during Early Phase of Parkinson's Disease. *Cells*, 11(23).

He F, et al. (2020) Global ubiquitome analysis of substantia nigra in doubly-mutant human alpha-synuclein transgenic mice. *Behavioural brain research*, 380, 112436.

Kilpeläinen T, et al. (2019) Behavioural and dopaminergic changes in double mutated human A30P*A53T alpha-synuclein transgenic mouse model of Parkinson's disease. *Scientific reports*, 9(1), 17382.

Yan J, et al. (2017) Quantitative proteomics in A30P*A53T α -synuclein transgenic mice reveals upregulation of Sel1l. *PloS one*, 12(8), e0182092.