

Resource Summary Report

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

B6N.Cg-Tg(SNCA*E46K)3Elan/J

RRID:IMSR_JAX:018768

Type: Organism

Proper Citation

RRID:IMSR_JAX:018768

Organism Information

URL: <https://www.jax.org/strain/018768>

Proper Citation: RRID:IMSR_JAX:018768

Description: Mus musculus with name B6N.Cg-Tg(SNCA*E46K)3Elan/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: synuclein alpha|transgene insertion 3; Elan Pharmaceuticals Inc; mutant strain|congenic strain: SNCA|Tg(SNCA*E46K)3Elan

Affected Gene: synuclein alpha|transgene insertion 3; Elan Pharmaceuticals Inc

Genomic Alteration: transgene insertion 3; Elan Pharmaceuticals Inc

Catalog Number: JAX:018768

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6N.Cg-Tg(SNCA*E46K)3Elan/J

Record Creation Time: 20250513T053738+0000

Record Last Update: 20260912T060525+0000

Ratings and Alerts

No rating or validation information has been found for B6N.Cg-Tg(SNCA*E46K)3Elan/J.

No alerts have been found for B6N.Cg-Tg(SNCA*E46K)3Elan/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Fonseca-Ornelas L, et al. (2021) Altered conformation of α -synuclein drives dysfunction of synaptic vesicles in a synaptosomal model of Parkinson's disease. Cell reports, 36(1), 109333.

Fanning S, et al. (2019) Lipidomic Analysis of α -Synuclein Neurotoxicity Identifies Stearoyl CoA Desaturase as a Target for Parkinson Treatment. Molecular cell, 73(5), 1001.