

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

piggyBac-rtTA (4th_Gen)-SNCA(A53T)-sfGFP-IRES-NGN2-puro (VK_1123)

RRID:Addgene_209080

Type: Plasmid

Proper Citation

RRID:Addgene_209080

Plasmid Information

URL: <http://www.addgene.org/209080>

Proper Citation: RRID:Addgene_209080

Insert Name: SNCA

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:39079530](#)

Vector Backbone Description: Vector Backbone:piggyBac-rtTA (4th_Gen); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: VK_1123 Please visit <https://doi.org/10.1101/2022.11.08.515615> for bioRxiv preprint.

Plasmid Name: piggyBac-rtTA (4th_Gen)-SNCA(A53T)-sfGFP-IRES-NGN2-puro (VK_1123)

Relevant Mutation: A53T

Record Creation Time: 20231207T080506+0000

Record Last Update: 20260912T093940+0000

Ratings and Alerts

No rating or validation information has been found for piggyBac-rtTA (4th_Gen)-SNCA(A53T)-sfGFP-IRES-NGN2-puro (VK_1123).

No alerts have been found for piggyBac-rtTA (4th_Gen)-SNCA(A53T)-sfGFP-IRES-NGN2-puro (VK_1123).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Mesentier-Louro LA, et al. (2025) Cholesterol-mediated Lysosomal Dysfunction in APOE4 Astrocytes Promotes ??-Synuclein Pathology in Human Brain Tissue. bioRxiv : the preprint server for biology.