

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pTet-O-Ngn2-puro

RRID:Addgene_52047

Type: Plasmid

Proper Citation

RRID:Addgene_52047

Plasmid Information

URL: <http://www.addgene.org/52047>

Proper Citation: RRID:Addgene_52047

Insert Name: Ngn2

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23764284](#)

Vector Backbone Description: Backbone Size:7745; Vector Backbone:Tet-O-FUW; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pTet-O-Ngn2-puro

Record Creation Time: 20220422T222305+0000

Record Last Update: 20260725T074818+0000

Ratings and Alerts

No rating or validation information has been found for pTet-O-Ngn2-puro.

No alerts have been found for pTet-O-Ngn2-puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 82 mentions in open access literature.

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

Hylton NK, et al. (2026) Pannexin-1 channel activity regulates neurogenesis and cell survival in the developing cortex. *bioRxiv : the preprint server for biology*.

Lee H, et al. (2025) Contributions of Genetic Variation in Astrocytes to Cell and Molecular Mechanisms of Risk and Resilience to Late-Onset Alzheimer's Disease. *Glia*, 73(6), 1166.

Ralhan I, et al. (2025) Protective ApoE variants support neuronal function by effluxing oxidized phospholipids. *Neuron*.

Lish AM, et al. (2025) CLU alleviates Alzheimer's disease-relevant processes by modulating astrocyte reactivity and microglia-dependent synaptic density. *Neuron*, 113(12), 1925.

Augur ZM, et al. (2025) Optineurin deficiency disrupts phosphorylated tau proteostasis and clusterin expression in human neurons. *Acta neuropathologica communications*, 13(1), 188.

Augur ZM, et al. (2025) Genetic and proteomic analysis identifies BAG3 as an amyloid-responsive regulator of neuronal proteostasis. *Acta neuropathologica*, 150(1), 43.

Savchuk S, et al. (2025) Neuronal activity-dependent mechanisms of small cell lung cancer pathogenesis. *Nature*.

Song S, et al. (2025) Experimental evidence that readily diffusible forms of A β from Alzheimer's disease brain have seeding activity. *Acta neuropathologica communications*, 13(1), 112.

Li X, et al. (2025) The Hippo pathway effector YAP inhibits NF- κ B signaling and ccRCC growth by opposing ZHX2. *The Journal of biological chemistry*, 301(5), 108430.

Nuber S, et al. (2025) Stearoyl-CoA desaturase inhibition normalizes brain lipid saturation, α -synuclein homeostasis, and motor function in mutant Gba1-Parkinson mice. *JCI insight*, 10(13).

Xu Z, et al. (2025) The ADCY1-mediated cAMP signaling pathway mediates functional effects of montelukast treatment in brain organoids. *Cellular and molecular life sciences : CMLS*, 82(1), 224.

Ackley C, et al. (2025) Lysosomal Protease-Mediated APP Degradation is pH-Dependent, Mutation-Sensitive, and Facilitates Tau Proteolysis. *Research square*.

Meli M, et al. (2025) Ngn2-Induced Differentiation of the NG108-15 Cell Line Enhances Motor Neuronal Differentiation and Neuromuscular Junction Formation. *Biomolecules*, 15(5).

Kettunen P, et al. (2025) SARS-CoV-2 infection in hiPSC-derived neurons is cathepsin-dependent and causes differential accumulation of HIF1 α and phosphorylated tau. *Molecular therapy. Nucleic acids*, 36(4), 102726.

Zetterdahl OG, et al. (2025) Generation of iPSC Lines with Tagged α -Synuclein for Visualization of Endogenous Protein in Human Cellular Models of Neurodegenerative Disorders. *eNeuro*, 12(6).

Simkin D, et al. (2025) Machine Learning Resolves Functional Phenotypes and Therapeutic Responses in KCNQ2 Developmental Epileptic Encephalopathy iPSC Models. *bioRxiv* : the preprint server for biology.

Lish AM, et al. (2025) Astrocyte induction of disease-associated microglia is suppressed by acute exposure to fAD neurons in human iPSC triple cultures. *Cell reports*, 44(6), 115777.

Lish AM, et al. (2025) Protocol for generating a human iPSC-derived tri-culture model to study interactions between neurons, astrocytes, and microglia. *STAR protocols*, 6(4), 104152.

Feringa FM, et al. (2025) The Neurolipid Atlas: a lipidomics resource for neurodegenerative diseases. *Nature metabolism*, 7(10), 2142.

Gu J, et al. (2024) Generation of a stably transfected mouse embryonic stem cell line for inducible differentiation to excitatory neurons. *Experimental cell research*, 435(1), 113902.