

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

[tetO.Nfib.Hygro](#)

RRID:Addgene_117271

Type: Plasmid

Proper Citation

RRID:Addgene_117271

Plasmid Information

URL: <http://www.addgene.org/117271>

Proper Citation: RRID:Addgene_117271

Insert Name: Nfib

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30127505](#)

Vector Backbone Description: Backbone Size:10013; Vector Backbone:Tet-O-FUW;
Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: tetO.Nfib.Hygro

Record Creation Time: 20220422T221614+0000

Record Last Update: 20260815T080252+0000

Ratings and Alerts

No rating or validation information has been found for tetO.Nfib.Hygro.

No alerts have been found for tetO.Nfib.Hygro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

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.

Matusova Z, et al. (2025) Aberrant neurodevelopment in human iPSC cell-derived models of Alexander disease. *Glia*, 73(1), 57.

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

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.

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.

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.

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

Yi R, et al. (2024) A single-cell transcriptomic dataset of pluripotent stem cell-derived astrocytes via NFIB/SOX9 overexpression. *Scientific data*, 11(1), 987.

Lee H, et al. (2023) Cell-type-specific regulation of APOE levels in human neurons by the Alzheimer's disease risk gene SORL1. *bioRxiv : the preprint server for biology*.

Chou V, et al. (2023) INPP5D regulates inflammasome activation in human microglia. *Nature communications*, 14(1), 7552.

Lee H, et al. (2023) Cell-type-specific regulation of APOE and CLU levels in human neurons by the Alzheimer's disease risk gene SORL1. *Cell reports*, 42(8), 112994.

Lagomarsino VN, et al. (2021) Stem cell-derived neurons reflect features of protein networks, neuropathology, and cognitive outcome of their aged human donors. *Neuron*, 109(21), 3402.

Dobrindt K, et al. (2021) Publicly Available hiPSC Lines with Extreme Polygenic Risk Scores for Modeling Schizophrenia. *Complex psychiatry*, 6(3-4), 68.

Quist E, et al. (2021) Transcription Factor Programming of Human Pluripotent Stem Cells to Functionally Mature Astrocytes for Monocultures and Cocultures with Neurons. *Methods in molecular biology (Clifton, N.J.)*, 2352, 133.