Resource Summary Report

Generated by RRID on Aug 23, 2026

pUCM-AAVS1-TO-hNGN2

RRID:Addgene_105840
Type: Plasmid

Proper Citation

RRID:Addgene_105840

Plasmid Information

URL: http://www.addgene.org/105840

Proper Citation: RRID:Addgene_105840

Insert Name: Neurogenin 2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:29924488

Vector Backbone Description: Backbone Marker:custom; Backbone Size:6000; Vector Backbone:pUCM; Vector Types:CRISPR, TALEN; Bacterial Resistance:Ampicillin

Comments: Please note that this plasmid may runs as a dimer (>21kb). Concatenation/Dimerization often does not impact plasmid function, but may reduce transformation efficiencies. You may need to screen multiple colonies to isolate the monomeric version of this plasmid. If you still have trouble isolating the monomeric version, you might consider linearizing, gel extracting, re-ligating, and transforming the plasmid.

Plasmid Name: pUCM-AAVS1-TO-hNGN2

Record Creation Time: 20220422T221513+0000

Record Last Update: 20260815T080100+0000

Ratings and Alerts

No rating or validation information has been found for pUCM-AAVS1-TO-hNGN2.

No alerts have been found for pUCM-AAVS1-TO-hNGN2.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Osaki T, et al. (2026) miR126-mediated alteration of vascular integrity in Rett syndrome. Molecular psychiatry, 31(7), 3662.

Mohl GA, et al. (2026) Multi-omic phenotyping of MAPT V337M neurons reveals early changes in axonogenesis and tau phosphorylation. NPJ dementia, 2(1), 24.

Jin M, et al. (2026) Neurogenin-2 Reprograms Human Microglial Lineage Cells into Neurons In Vitro and in Chimeric Brains. bioRxiv : the preprint server for biology.

Mu??oz-Estrada J, et al. (2025) Extended NGN2 Expression in iPSCs Dramatically Enhances Purity of Neuronal Cultures. bioRxiv : the preprint server for biology.

Gilmore RB, et al. (2024) Identifying key underlying regulatory networks and predicting targets of orphan C/D box SNORD116 snoRNAs in Prader-Willi syndrome. Nucleic acids research, 52(22), 13757.

Liu Y, et al. (2024) MECP2 directly interacts with RNA polymerase II to modulate transcription in human neurons. Neuron, 112(12), 1943.

McDonald KO, et al. (2024) Transcription Factor-Mediated Generation of Dopaminergic Neurons from Human iPSCs-A Comparison of Methods. Cells, 13(12).

Mohl GA, et al. (2024) The disease-causing tau V337M mutation induces tau hypophosphorylation and perturbs axon morphology pathways. bioRxiv : the preprint server for biology.

Gazestani V, et al. (2023) Early Alzheimer's disease pathology in human cortex is associated with a transient phase of distinct cell states. bioRxiv : the preprint server for biology.

Gilmore RB, et al. (2023) Identifying key underlying regulatory networks and predicting targets of orphan C/D box SNORD116 snoRNAs in Prader-Willi syndrome. bioRxiv : the preprint server for biology.

Kondratov O, et al. (2023) Exploring the Comprehensive Kozak Sequence Landscape for AAV Production in Sf9 System. Viruses, 15(10).

Basak I, et al. (2023) Neuroproteomic Analysis after SARS-CoV-2 Infection Reveals Overrepresented Neurodegeneration Pathways and Disrupted Metabolic Pathways. Biomolecules, 13(11).

Hasan S, et al. (2023) Multi-modal proteomic characterization of lysosomal function and proteostasis in progranulin-deficient neurons. Molecular neurodegeneration, 18(1), 87.

Hasan S, et al. (2023) Multi-modal Proteomic Characterization of Lysosomal Function and Proteostasis in Progranulin-Deficient Neurons. bioRxiv : the preprint server for biology.

Gazestani V, et al. (2023) Early Alzheimer's disease pathology in human cortex involves transient cell states. Cell, 186(20), 4438.