

Resource Summary Report

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

PB-TO-hNGN2

RRID:Addgene_172115

Type: Plasmid

Proper Citation

RRID:Addgene_172115

Plasmid Information

URL: <http://www.addgene.org/172115>

Proper Citation: RRID:Addgene_172115

Insert Name: hNGN2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:36459969](#)

Vector Backbone Description: Backbone Size:13245; Vector Backbone:pUCM; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: This plasmid has been found to run as a multimer. Plasmid multimerization 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: PB-TO-hNGN2

Record Creation Time: 20220422T221959+0000

Record Last Update: 20260815T081022+0000

Ratings and Alerts

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

No alerts have been found for PB-TO-hNGN2.

Data and Source Information

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Fricke M, et al. (2026) Knockout of the LRRK2-counteracting RAB phosphatase PPM1H disrupts axonal autophagy and exacerbates alpha-synuclein aggregation. *Cell reports*, 45(6), 117364.

Parker NA, et al. (2026) Rapid, Growth Factor-Reduced Induction of Functional Neurons from hiPSCs. *Cells, tissues, organs*, 1.

Farrow SL, et al. (2026) Dissecting genotype-specific effects of disease-associated genetic variants. *iScience*, 29(6), 116143.

Geidies A, et al. (2026) Optogenetic BlueGENEs engineered into a human safe harbor locus. *Nucleic acids research*, 54(2).

Kemkem Y, et al. (2026) Phaeochromocytomas and paragangliomas harbour tumour-initiating SOX2+ stem cells. *Endocrine-related cancer*, 33(5).

Shi Z, et al. (2025) Single-nucleus multi-omics identifies shared and distinct pathways in Pick's and Alzheimer's disease. *Science advances*, 11(46), eads7973.

Teixeira M, et al. (2025) Combining light-induced aggregation and biotin proximity labeling implicates endolysosomal proteins in early α -synuclein oligomerization. *iScience*, 28(7), 112823.

Dou D, et al. (2025) Protocol for live imaging of axonal transport in iPSC-derived iNeurons. *STAR protocols*, 6(1), 103556.

Timimi L, et al. (2024) The V-ATPase/ATG16L1 axis is controlled by the V1H subunit. *Molecular cell*, 84(15), 2966.

Dou D, et al. (2024) RAB3 phosphorylation by pathogenic LRRK2 impairs trafficking of synaptic vesicle precursors. *The Journal of cell biology*, 223(6).

Wrobel L, et al. (2024) p37 regulates VCP/p97 shuttling and functions in the nucleus and cytosol. *Science advances*, 10(18), eadl6082.

Shi Z, et al. (2024) Single-nucleus multi-omics identifies shared and distinct pathways in Pick's and Alzheimer's disease. *bioRxiv : the preprint server for biology*.

Wu R, et al. (2024) Disruption of nuclear speckle integrity dysregulates RNA splicing in C9ORF72-FTD/ALS. *Neuron*, 112(20), 3434.

Dou D, et al. (2023) RAB3 phosphorylation by pathogenic LRRK2 impairs trafficking of synaptic vesicle precursors. *bioRxiv : the preprint server for biology*.

Rothstein JD, et al. (2023) Highly variable molecular signatures of TDP-43 loss of function are associated with nuclear pore complex injury in a population study of sporadic ALS patient iPSNs. *bioRxiv* : the preprint server for biology.

Dou D, et al. (2023) Regulatory imbalance between LRRK2 kinase, PPM1H phosphatase, and ARF6 GTPase disrupts the axonal transport of autophagosomes. *Cell reports*, 42(5), 112448.