

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

V5-miniTurbo-NES_pCDNA3

RRID:Addgene_107170

Type: Plasmid

Proper Citation

RRID:Addgene_107170

Plasmid Information

URL: <http://www.addgene.org/107170>

Proper Citation: RRID:Addgene_107170

Insert Name: miniTurbo (BirA mutant)

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30125270](#)

Vector Backbone Description: Vector Backbone:pCDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please visit <https://www.biorxiv.org/content/early/2017/10/02/196980> for BioRxiv preprint

Plasmid Name: V5-miniTurbo-NES_pCDNA3

Relevant Mutation: aa1-63 deleted; Q65P, I87V, R118S, E140K, Q141R, S150G, L151P, V160A, T192A, K194I, M209V, I305V

Record Creation Time: 20220422T221519+0000

Record Last Update: 20260815T080109+0000

Ratings and Alerts

No rating or validation information has been found for V5-miniTurbo-NES_pCDNA3.

No alerts have been found for V5-miniTurbo-NES_pCDNA3.

Data and Source Information

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Kawaguchi K, et al. (2026) Linear ubiquitination triggers Amph-mediated T-tubule biogenesis. *Science advances*, 12(2), eady4934.

Wei L, et al. (2024) PPTC7 limits mitophagy through proximal and dynamic interactions with BNIP3 and NIX. *bioRxiv : the preprint server for biology*.

Piech S, et al. (2024) Identification and Characterization of Novel Small-Molecule Enhancers of the CUL3LZTR1 E3 Ligase KRAS Complex. *ACS chemical biology*, 19(9), 1942.

Serafin DS, et al. (2024) Proximity interactome of lymphatic VE-cadherin reveals mechanisms of junctional remodeling and reelin secretion. *Nature communications*, 15(1), 7734.

Barker E, et al. (2024) Proximity labelling reveals effects of disease-causing mutation on the DNAJC5/cysteine string protein ?? interactome. *The Biochemical journal*, 481(3), 141.

Elenbaas JS, et al. (2023) SVEP1 is an endogenous ligand for the orphan receptor PEAR1. *Nature communications*, 14(1), 850.

Zhao X, et al. (2023) Actin-binding protein filamin B regulates the cell-surface retention of endothelial sphingosine 1-phosphate receptor 1. *The Journal of biological chemistry*, 299(7), 104851.

Volpatti JR, et al. (2022) X-linked myotubular myopathy is associated with epigenetic alterations and is ameliorated by HDAC inhibition. *Acta neuropathologica*, 144(3), 537.

Galhuber M, et al. (2022) Complementary omics strategies to dissect p53 signaling networks under nutrient stress. *Cellular and molecular life sciences : CMLS*, 79(6), 326.

Howley BV, et al. (2022) The ubiquitin E3 ligase ARIH1 regulates hnRNP E1 protein stability, EMT and breast cancer progression. *Oncogene*, 41(12), 1679.

Johnson BS, et al. (2022) MicroID2: A Novel Biotin Ligase Enables Rapid Proximity-Dependent Proteomics. *Molecular & cellular proteomics : MCP*, 21(7), 100256.

Banerjee SL, et al. (2022) EPH receptor tyrosine kinases phosphorylate the PAR-3 scaffold protein to modulate downstream signaling networks. *Cell reports*, 40(1), 111031.

Liu Y, et al. (2022) Spatiotemporal Proximity Labeling Tools to Track GlcNAc Sugar-Modified Functional Protein Hubs during Cellular Signaling. *ACS chemical biology*, 17(8), 2153.

Cygan AM, et al. (2021) Proximity-Labeling Reveals Novel Host and Parasite Proteins at the Toxoplasma Parasitophorous Vacuole Membrane. *mBio*, 12(6), e0026021.

Ramirez-Martinez A, et al. (2021) The nuclear envelope protein Net39 is essential for muscle nuclear integrity and chromatin organization. *Nature communications*, 12(1), 690.

Arora D, et al. (2020) Establishment of Proximity-Dependent Biotinylation Approaches in Different Plant Model Systems. *The Plant cell*, 32(11), 3388.

Mayor-Ruiz C, et al. (2020) Rational discovery of molecular glue degraders via scalable chemical profiling. *Nature chemical biology*, 16(11), 1199.

Yamamoto-Hino M, et al. (2020) Lamin is essential for nuclear localization of the GPI synthesis enzyme PIG-B and GPI-anchored protein production in *Drosophila*. *Journal of cell science*, 133(6).

Mair A, et al. (2019) Proximity labeling of protein complexes and cell-type-specific organellar proteomes in *Arabidopsis* enabled by TurboID. *eLife*, 8.