

Resource Summary Report

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

V5-TurboID-NES_pCDNA3

RRID:Addgene_107169

Type: Plasmid

Proper Citation

RRID:Addgene_107169

Plasmid Information

URL: <http://www.addgene.org/107169>

Proper Citation: RRID:Addgene_107169

Insert Name: TurboID (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-TurboID-NES_pCDNA3

Relevant Mutation: Q65P, I87V, R118S, E140K, Q141R, S150G, L151P, V160A, T192A, K194I, M209V, M241T, S263P, I305V

Record Creation Time: 20220422T221519+0000

Record Last Update: 20260815T080107+0000

Ratings and Alerts

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

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

Data and Source Information

Usage and Citation Metrics

We found 63 mentions in open access literature.

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

Baierna B, et al. (2026) Evolutionary Remodeling of Ubiquinone Biosynthesis in *Toxoplasma gondii* Reveals an Essential Bi-functional Monooxygenase. *bioRxiv : the preprint server for biology*.

Hill SE, et al. (2026) Dual proximity-based interactome mapping of FKBP51 and FKBP52 uncovers shared metabolic networks. *Biochemical and biophysical research communications*, 826, 153968.

Wolverson PA, et al. (2026) Dynamics of the CD9 interactome during bacterial infection of epithelial cells by proximity labelling proteomics. *The FEBS journal*, 293(8), 2225.

Murata K, et al. (2026) A novel miniTurbo knock-in mouse reveals a protein interaction network of USP46 in the brain. *Experimental animals*, 75(1), 63.

Zaganelli S, et al. (2026) Nuclear envelope budding enables export of large transcripts in muscle cells. *Cell*, 189(11), 3398.

Baierna B, et al. (2026) Evolutionary remodeling of ubiquinone biosynthesis in *Toxoplasma gondii* reveals an essential bi-functional monooxygenase. *Nature communications*, 17(1).

Micka M, et al. (2026) A Wnt-induced conformational phospho-switch in DVL3 controls association with Frizzled receptors and Wnt/??-catenin signaling. *Science advances*, 12(20), eaed8899.

Reventun P, et al. (2026) RAB5C Increases Endothelial Release of VWF by Regulating Vesicle Trafficking. *Arteriosclerosis, thrombosis, and vascular biology*, 46(3), e323000.

Rubin AJ, et al. (2026) Disordered protein LAT encodes relative levels of signaling pathways in T cell activation. *Science (New York, N.Y.)*, 392(6797), eads6847.

Hall B, et al. (2026) Antisense Dipeptide Repeat Proteins Drive Widescale Purine Metabolism Aberration in C9orf72 Amyotrophic Lateral Sclerosis via ADA. *International journal of molecular sciences*, 27(4).

Cannata Serio M, et al. (2026) A delayed translocation into the endoplasmic reticulum controls the post-translational modifications of PD-L1. *Nature communications*, 17(1).

Marcassa G, et al. (2025) Synaptic signatures and disease vulnerabilities of layer 5 pyramidal neurons. *Nature communications*, 16(1), 228.

Guo H, et al. (2025) Spatiotemporally Resolved Profiling of Protein Movement by TransitID. *Methods in molecular biology (Clifton, N.J.)*, 2953, 243.

Battison AS, et al. (2025) APEX2 and TurboID define unique subcellular proteomes. *Scientific reports*, 15(1), 43547.

Toifl S, et al. (2025) RAF1 kinase contributes to autophagic lysosome reformation. *Cell reports*, 44(4), 115490.

Bestehorn A, et al. (2025) Cytoplasmic mRNA decay controlling inflammatory gene expression is determined by pre-mRNA fate decision. *Molecular cell*, 85(4), 742.

Kour D, et al. (2025) Identification of novel Kv1.3 channel-interacting proteins using proximity labelling in T-cells. *bioRxiv : the preprint server for biology*.

Russo MN, et al. (2025) TurboID-Mediated Profiling of Glioblastoma-Derived Extracellular Vesicle Cargo Proteins. *Journal of extracellular vesicles*, 14(9), e70158.

Kim E, et al. (2025) Prefrontal cortex astrocytes modulate distinct neuronal populations to control anxiety-like behavior. *Nature communications*, 16(1), 7819.

Merta H, et al. (2025) Spatial proteomics of ER tubules reveals CLMN, an ER-actin tether at focal adhesions that promotes cell migration. *Cell reports*, 44(4), 115502.