

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.