

Resource Summary Report

Generated by [NIF](#) on Jul 30, 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: 20260725T073430+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 51 mentions in open access literature.

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

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

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

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

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

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.

Muramoto M, et al. (2025) Executioner caspase is proximal to Fasciclin 3 which facilitates non-lethal activation in *Drosophila* olfactory receptor neurons. *eLife*, 13.

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*.

Hill SA, et al. (2025) Molecular profiling of brain endothelial cell to astrocyte endfoot communication in mouse and human. *Nature communications*, 16(1), 9750.

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.

Liu D, et al. (2025) Optineurin-facilitated axonal mitochondria delivery promotes neuroprotection and axon regeneration. *Nature communications*, 16(1), 1789.

K??rner M, et al. (2025) p97/VCP is required for piecemeal autophagy of aggresomes. *Nature communications*, 16(1), 4243.

Brdar A, et al. (2025) p53 isoforms have a high aggregation propensity, interact with chaperones and lack binding to p53 interaction partners. *eLife*, 13.

Kochen Rossi J, et al. (2025) The differential interactomes of the KRAS splice variants identify BIRC6 as a ubiquitin ligase for KRAS4A. *Cell reports*, 44(1), 115087.

Shulkina A, et al. (2025) TRIM52 maintains cellular fitness and is under tight proteolytic control by multiple giant E3 ligases. *Nature communications*, 16(1), 3894.

Ahmed N, et al. (2024) TurboID-Based IRE1 Interactome Reveals Participants of the Endoplasmic Reticulum-Associated Protein Degradation Machinery in the Human Mast Cell Leukemia Cell Line HMC-1.2. *Cells*, 13(9).

Rubin AJ, et al. (2024) LAT encodes T cell activation pathway balance. *bioRxiv : the preprint server for biology*.

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

Schiefer S, et al. (2024) Proximal protein landscapes of the type I interferon signaling cascade reveal negative regulation by PJA2. *Nature communications*, 15(1), 4484.

Peng Q, et al. (2024) Profiling nuclear cysteine ligandability and effects on nuclear localization using proximity labeling-coupled chemoproteomics. *Cell chemical biology*, 31(3), 550.