

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

TurboID-His6_pET21a

RRID:Addgene_107177

Type: Plasmid

Proper Citation

RRID:Addgene_107177

Plasmid Information

URL: <http://www.addgene.org/107177>

Proper Citation: RRID:Addgene_107177

Insert Name: TurboID (BirA mutant)

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30125270](#)

Vector Backbone Description: Vector Backbone:pET21a; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

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

Plasmid Name: TurboID-His6_pET21a

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 TurboID-His6_pET21a.

No alerts have been found for TurboID-His6_pET21a.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Fekete FJ, et al. (2025) Identifying bacterial heme sensor protein interacting partners under varying oxygen tensions using proximity labeling. *Journal of inorganic biochemistry*, 274, 113067.

Ward JS, et al. (2025) Mapping *C. difficile* TcdB interactions with host cell-surface and intracellular factors using proximity-dependent biotinylation labeling. *mBio*, 16(2), e0333624.

Yamamoto T, et al. (2024) Increased CSN5 expression enhances the sensitivity to lenalidomide in multiple myeloma cells. *iScience*, 27(12), 111399.

Zhang Y, et al. (2020) TurboID-Based Proximity Labeling for In Planta Identification of Protein-Protein Interaction Networks. *Journal of visualized experiments : JoVE*(159).