

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

Ube1/PET21d

RRID:Addgene_34965

Type: Plasmid

Proper Citation

RRID:Addgene_34965

Plasmid Information

URL: <http://www.addgene.org/34965>

Proper Citation: RRID:Addgene_34965

Insert Name: Ube1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21771579](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5400; Vector Backbone:PET21d; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: Ube1/PET21d

Record Creation Time: 20220422T222149+0000

Record Last Update: 20260815T081356+0000

Ratings and Alerts

No rating or validation information has been found for Ube1/PET21d.

No alerts have been found for Ube1/PET21d.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

Chatrin C, et al. (2026) Specificity and recognition of the ADP-ribosyl-ubiquitin modification in the DNA damage response. *PLoS biology*, 24(4), e3003747.

Sahoo P, et al. (2026) ISGylation mechanism uncovers conformational specificity for HECT-family E3 ligase HERC5. *Cell reports*, 45(7), 117565.

Bukhari Z, et al. (2025) Linked-domain inhibitors designed to block UBE2D induce the unfolded protein response. *Cell chemical biology*, 32(12), 1532.

Maspero E, et al. (2025) Structure-based design of potent and selective inhibitors of the HECT ligase NEDD4. *Communications chemistry*, 8(1), 164.

Lenka DR, et al. (2024) Additional feedforward mechanism of Parkin activation via binding of phospho-UBL and RING0 in trans. *eLife*, 13.

Sakamoto Y, et al. (2024) The Nedd4L ubiquitin ligase is activated by FCHO2-generated membrane curvature. *The EMBO journal*, 43(23), 5883.

Taniguchi S, et al. (2022) The Ubiquitin Ligase RNF34 Participates in the Peripheral Quality Control of CFTR (RNF34 Role in CFTR PeriQC). *Frontiers in molecular biosciences*, 9, 840649.

Umano A, et al. (2022) The molecular basis of spinocerebellar ataxia type 48 caused by a de novo mutation in the ubiquitin ligase CHIP. *The Journal of biological chemistry*, 298(5), 101899.

Nakasone MA, et al. (2022) Structure of UBE2K-Ub/E3/polyUb reveals mechanisms of K48-linked Ub chain extension. *Nature chemical biology*, 18(4), 422.

Zhu K, et al. (2022) DELTEX E3 ligases ubiquitylate ADP-ribosyl modification on protein substrates. *Science advances*, 8(40), eadd4253.

Bagga T, et al. (2022) Mapping of molecular interactions between human E3 ligase TRIM69 and Dengue virus NS3 protease using hydrogen-deuterium exchange mass spectrometry. *Cellular and molecular life sciences : CMLS*, 79(5), 233.

Anoh R, et al. (2022) Generation of Monoubiquitin and K63-Linked Polyubiquitin Chains for Protein Interaction Studies. *Methods in molecular biology (Clifton, N.J.)*, 2444, 271.

Ikeda M, et al. (2021) Herpes simplex virus 1 infection induces ubiquitination of UBE1a. *The Biochemical journal*, 478(1), 261.

Lumpkin RJ, et al. (2021) The Mechanism of NEDD8 Activation of CUL5 Ubiquitin E3 Ligases. *Molecular & cellular proteomics : MCP*, 20, 100019.

Estabrooks SK, et al. (2020) Ubiquitination of disease-causing CFTR variants in a microsome-based assay. *Analytical biochemistry*, 604, 113829.

Ikeda M, et al. (2020) UBE1a Suppresses Herpes Simplex Virus-1 Replication. *Viruses*, 12(12).

Anandapadamanaban M, et al. (2019) E3 ubiquitin-protein ligase TRIM21-mediated lysine capture by UBE2E1 reveals substrate-targeting mode of a ubiquitin-conjugating E2. *The Journal of biological chemistry*, 294(30), 11404.

Maspero E, et al. (2019) Detection of ubiquitinated targets in mammalian and *Drosophila* models. *Methods in enzymology*, 619, 293.

Morgan M, et al. (2019) Semisynthesis of ubiquitinated histone H2B with a native or nonhydrolyzable linkage. *Methods in enzymology*, 618, 1.

Sakai R, et al. (2019) The integral function of the endocytic recycling compartment is regulated by RFFL-mediated ubiquitylation of Rab11 effectors. *Journal of cell science*, 132(3).