

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pOPINB-OTUB1*

RRID:Addgene_65441

Type: Plasmid

Proper Citation

RRID:Addgene_65441

Plasmid Information

URL: <http://www.addgene.org/65441>

Proper Citation: RRID:Addgene_65441

Insert Name: Ubch5b

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:25752577](#)

Vector Backbone Description: Backbone Marker:OPPF-UK; Backbone Size:5531; Vector Backbone:pOPINB; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pOPINB-OTUB1*

Relevant Mutation: Active site cysteine mutated to alanine

Record Creation Time: 20220422T222413+0000

Record Last Update: 20260725T075009+0000

Ratings and Alerts

No rating or validation information has been found for pOPINB-OTUB1*.

No alerts have been found for pOPINB-OTUB1*.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

H??rner EM, et al. (2025) Identification and characterization of a ubiquitin E3 RING ligase of the Chlamydia-like bacterium Simkania negevensis. PLoS pathogens, 21(11), e1013626.

Morita M, et al. (2025) Combinatorial ubiquitin code degrades deubiquitylation-protected substrates. Nature communications, 16(1), 2496.

Bejan DS, et al. (2025) Ubiquitin is directly linked via an ester to protein-conjugated mono-ADP-ribose. The EMBO journal, 44(8), 2211.

Lacoursiere RE, et al. (2025) RNF114 and RNF166 exemplify reader-writer E3 ligases that extend K11 polyubiquitin onto sites of MARUbylation. The EMBO journal, 44(21), 5993.

Tomomatsu S, et al. (2025) Polyubiquitin architecture editing on collided ribosomes maintains persistent RQC activity. The EMBO journal, 44(21), 6051.

Harris LD, et al. (2021) The deubiquitinase TRABID stabilizes the K29/K48-specific E3 ubiquitin ligase HECTD1. The Journal of biological chemistry, 296, 100246.

Jahan AS, et al. (2020) OTUB1 Is a Key Regulator of RIG-I-Dependent Immune Signaling and Is Targeted for Proteasomal Degradation by Influenza A NS1. Cell reports, 30(5), 1570.

Michel MA, et al. (2018) Enzymatic Assembly of Ubiquitin Chains. Methods in molecular biology (Clifton, N.J.), 1844, 73.