

# Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

## pRK5-HA-Ubiquitin-K33

RRID:Addgene\_17607

Type: Plasmid

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### Proper Citation

RRID:Addgene\_17607

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### Plasmid Information

**URL:** <http://www.addgene.org/17607>

**Proper Citation:** RRID:Addgene\_17607

**Insert Name:** Ubiquitin C

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:15728840](#)

**Vector Backbone Description:** Backbone Size:4800; Vector Backbone:pRK5-HA; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Comments:** Please note that Addgene's sequencing results identified P19S and E24D mutations in the ubiquitin sequence. These mutations were not intentional, but were present in the original source clone from which this plasmid was created (see associated publication for details).

**Plasmid Name:** pRK5-HA-Ubiquitin-K33

**Relevant Mutation:** K33 only, other lysines mutated to arginines; P19S and E24D

**Record Creation Time:** 20220422T222017+0000

**Record Last Update:** 20260808T081301+0000

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### Ratings and Alerts

No rating or validation information has been found for pRK5-HA-Ubiquitin-K33.

No alerts have been found for pRK5-HA-Ubiquitin-K33.

## Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Zhou Y, et al. (2025) NUDT16 enhances the resistance of cancer cells to DNA-damaging agents by regulating replication fork stability via reversing HMGA1 ADP-ribosylation. *The Journal of biological chemistry*, 301(6), 108551.

Guo Y, et al. (2025) Exploring Negative Feedback Mechanisms in the PTEN-ACE Axis: Application of Electrosorb Hydrogel-Based Gene Delivery for Intervertebral Disc Regeneration. *International journal of biological sciences*, 21(8), 3416.

Cao J, et al. (2025) USP2-mediated PPAR $\gamma$  stabilization promotes hepatocellular carcinoma progression and M2 macrophage polarization via oleic acid. *Journal for immunotherapy of cancer*, 13(11).

Shen N, et al. (2025) HSPA9 contributes to tumor progression and ferroptosis resistance by enhancing USP14-driven SLC7A11 deubiquitination in multiple myeloma. *Cell reports*, 44(5), 115720.

Chathuranga K, et al. (2025) The E3 ubiquitin ligase MARCH2 controls TNF- $\alpha$  mediated inflammation by autoubiquitination. *Cell communication and signaling : CCS*, 23(1), 257.

Lubyova B, et al. (2025) UBE2O, a host ubiquitin-conjugating enzyme, is a key regulator of hepatitis B virus maturation and egress. *The Journal of biological chemistry*, 301(11), 110750.

Xu H, et al. (2025) CUL1-neddylation contributes to K29-linked ubiquitination on p27 for autophagic degradation in sorafenib-resistant liver cancer. *Cell biology and toxicology*, 41(1), 61.

Xia J, et al. (2024) An apicoplast-localized deubiquitinase contributes to the cell growth and apicoplast homeostasis of *Toxoplasma gondii*. *Veterinary research*, 55(1), 10.

Chen Y, et al. (2024) HSV-1-induced N6-methyladenosine reprogramming via ICP0-mediated suppression of METTL14 potentiates oncolytic activity in glioma. *Cell reports*, 43(10), 114756.

Xia M, et al. (2024) UBR1 promotes anaplastic thyroid carcinoma progression via stabilizing YAP through monoubiquitylation. *Scientific reports*, 14(1), 19496.

Li X, et al. (2024) Kumujan B suppresses TNF- $\alpha$ -induced inflammatory response and alleviates experimental colitis in mice. *Frontiers in pharmacology*, 15, 1427340.

Teo QW, et al. (2023) Usp25-Erlin1/2 activity limits cholesterol flux to restrict virus infection. *Developmental cell*, 58(22), 2495.

Celada SI, et al. (2023) Lysosome-dependent FOXA1 ubiquitination contributes to luminal lineage of advanced prostate cancer. *Molecular oncology*, 17(10), 2126.

Koganti P, et al. (2022) The E3 ubiquitin ligase SMURF2 stabilizes RNA editase ADAR1p110 and promotes its adenosine-to-inosine (A-to-I) editing function. *Cellular and molecular life sciences : CMLS*, 79(5), 237.

Yang B, et al. (2021) Negative Regulation of RNF90 on RNA Virus-Triggered Antiviral Immune Responses Targeting MAVS. *Frontiers in immunology*, 12, 730483.

Zhu G, et al. (2021) TRIM15 and CYLD regulate ERK activation via lysine-63-linked polyubiquitination. *Nature cell biology*, 23(9), 978.

Baek SH, et al. (2021) AMBRA1 Negatively Regulates the Function of ALDH1B1, a Cancer Stem Cell Marker, by Controlling Its Ubiquitination. *International journal of molecular sciences*, 22(21).

Khateb A, et al. (2021) The ubiquitin ligase RNF5 determines acute myeloid leukemia growth and susceptibility to histone deacetylase inhibitors. *Nature communications*, 12(1), 5397.

Wang Z, et al. (2021) PCV2 targets cGAS to inhibit type I interferon induction to promote other DNA virus infection. *PLoS pathogens*, 17(9), e1009940.

Chathuranga K, et al. (2020) Negative regulation of NEMO signaling by the ubiquitin E3 ligase MARCH2. *The EMBO journal*, 39(21), e105139.