

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

pRK5-HA-Ubiquitin-K63

RRID:Addgene_17606

Type: Plasmid

Proper Citation

RRID:Addgene_17606

Plasmid Information

URL: <http://www.addgene.org/17606>

Proper Citation: RRID:Addgene_17606

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

Plasmid Name: pRK5-HA-Ubiquitin-K63

Relevant Mutation: K63 only, other lysines mutated to arginines. Enhances G76-K63-linked polyubiquitination.

Record Creation Time: 20220422T222016+0000

Record Last Update: 20260829T080042+0000

Ratings and Alerts

No rating or validation information has been found for pRK5-HA-Ubiquitin-K63.

No alerts have been found for pRK5-HA-Ubiquitin-K63.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 163 mentions in open access literature.

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

Park CH, et al. (2026) DAPK1-Mediated Parkin Inactivation Enhances Neurotoxicity via MITOL-Dependent Degradation. *Journal of cellular and molecular medicine*, 30(7), e71132.

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- α 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.

Chen Y, et al. (2025) USP9X-triggered ferroptosis mediates follicular atresia via deubiquitinating Beclin1 in chicken. *Journal of animal science and biotechnology*, 16(1), 134.

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.

Maloy A, et al. (2025) Reciprocal Regulation Between the SCFFBXO24 Ubiquitin E3 Ligase and FoxP1 Protein. *bioRxiv : the preprint server for biology*.

Li C, et al. (2025) TRIM21 promotes type I interferon by inhibiting the autophagic degradation of STING via p62/SQSTM1 ubiquitination in systemic lupus erythematosus. *Acta biochimica et biophysica Sinica*, 57(5), 834.

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.

Kim GW, et al. (2025) HDAC6 and USP9X Control Glutamine Metabolism by Stabilizing GS to Promote Glioblastoma Tumorigenesis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(25), e2501553.

Mund R, et al. (2025) Novel Role of the Epstein-Barr Virus Encoded Deubiquitinating Enzyme (BPLF1) in mTOR-Mediated Cell Growth and Proliferation Pathways. *Viruses*, 17(8).

Marotta VE, et al. (2025) OTUD6B regulates KIFC1-dependent centrosome clustering and breast cancer cell survival. *EMBO reports*, 26(4), 1003.

Hu JH, et al. (2025) Activity-dependent degradation of Kv4.2 contributes to synaptic plasticity and behavior in Angelman syndrome model mice. *Cell reports*, 44(5), 115583.

Kolapalli SP, et al. (2025) Pellino 3 E3 ligase promotes starvation-induced autophagy to prevent hepatic steatosis. *Science advances*, 11(3), eadr2450.

Lei Y, et al. (2025) Deubiquitinase USP9X controls Wnt signaling for CNS vascular formation and barrier maintenance. *Developmental cell*, 60(11), 1618.

Mennerich D, et al. (2025) The E3 ubiquitin ligase DTX3L and the deubiquitinase USP28 fine-tune DNA repair through mutual regulation of their protein levels. *iScience*, 28(8), 112990.

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

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) DUB3 is a MAGEA3 deubiquitinase and a potential therapeutic target in hepatocellular carcinoma. *iScience*, 27(3), 109181.

Pan Q, et al. (2024) Periodic changes of cyclin D1 mRNA stability are regulated by PC4 modifications in the cell cycle. *The Journal of cell biology*, 223(3).