

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 30, 2026

pRK5-HA-Ubiquitin-K48

RRID:Addgene_17605

Type: Plasmid

Proper Citation

RRID:Addgene_17605

Plasmid Information

URL: <http://www.addgene.org/17605>

Proper Citation: RRID:Addgene_17605

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-K48

Relevant Mutation: K48 only, other lysines mutated to arginines. Enhances the G76-K48-linked polyubiquitination of proteins.

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-K48.

No alerts have been found for pRK5-HA-Ubiquitin-K48.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 157 mentions in open access literature.

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

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

Lin JY, et al. (2026) STUB1-VCP/p97 complex regulates mitophagy via fine-tuning of PINK1 levels. *Cell reports*, 45(4), 117183.

Guan B, et al. (2026) TRIM21-Mediated ubiquitination of FBL suppresses PI3K/AKT signaling and tumor progression in clear cell renal cell carcinoma. *Cellular and molecular life sciences : CMLS*, 83(1).

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*.

Feng Y, et al. (2025) The E3 ubiquitin ligase MAEA promotes macrophage phagocytosis and inhibits gastrointestinal cancer progression by mediating PARP1 ubiquitination and degradation. *International journal of biological sciences*, 21(4), 1784.

Karim R, et al. (2025) SIRT2-mediated ACSS2 K271 deacetylation suppresses lipogenesis under nutrient stress. *eLife*, 13.

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.

Tran PL, et al. (2025) SDCBP/Syntenin-1 stabilizes BACH1 by disassembling the SCFFBXO22-BACH1 complex in triple-negative breast cancer. *The EMBO journal*, 44(11), 3085.

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.

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.

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).

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).

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.

Yoshikawa R, et al. (2025) Crimean-Congo hemorrhagic fever virus NSm protein inhibits the type I interferon signaling by binding to STAT2. *PLoS neglected tropical diseases*, 19(11), e0013695.