Resource Summary Report

Generated by PRECISE-TBI on Aug 16, 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: 20260815T081054+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.

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.

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

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.

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.

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.

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? stabilization promotes hepatocellular carcinoma progression and M2 macrophage polarization via oleic acid. Journal for immunotherapy of cancer, 13(11).

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.

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.