

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 10, 2025

## 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](https://pubmed.ncbi.nlm.nih.gov/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:** 20220422T223345+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 33 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Wu W, et al. (2024) The dePARylase NUDT16 promotes radiation resistance of cancer cells by blocking SETD3 for degradation via reversing its ADP-ribosylation. *The Journal of biological chemistry*, 300(3), 105671.

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).

Jana S, et al. (2024) PITAR, a DNA damage-inducible cancer/testis long noncoding RNA, inactivates p53 by binding and stabilizing TRIM28 mRNA. *eLife*, 12.

Li Y, et al. (2024) RNF166 promotes colorectal cancer progression by recognizing and destabilizing poly-ADP-ribosylated angiomotins. *Cell death & disease*, 15(3), 211.

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.

Xu H, et al. (2024) FLOT2 promotes nasopharyngeal carcinoma progression through suppression of TGF- $\beta$  pathway via facilitating CD109 expression. *iScience*, 27(1), 108580.

Chen Z, et al. (2024) Suppression of Skp2 contributes to sepsis-induced acute lung injury by enhancing ferroptosis through the ubiquitination of SLC3A2. *Cellular and molecular life sciences : CMLS*, 81(1), 325.

McMahon A, et al. (2024) Ubiquitin-mediated regulation of APE2 protein abundance. *The Journal of biological chemistry*, 300(6), 107337.

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

Yang S, et al. (2024) The GATOR2 complex maintains lysosomal-autophagic function by inhibiting the protein degradation of MiT/TFEs. *Molecular cell*, 84(4), 727.

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.

Mijatovic E, et al. (2024) Cellular turnover and degradation of the most common missense cystathionine beta-synthase variants causing homocystinuria. *Protein science : a publication*

of the Protein Society, 33(8), e5123.

Ritchie C, et al. (2024) PELI2 is a negative regulator of STING signaling that is dynamically repressed during viral infection. *Molecular cell*, 84(13), 2423.

Schiefer S, et al. (2024) Proximal protein landscapes of the type I interferon signaling cascade reveal negative regulation by PJA2. *Nature communications*, 15(1), 4484.

Sun Y, et al. (2024) Oncolytic Newcastle disease virus induced degradation of YAP through E3 ubiquitin ligase PRKN to exacerbate ferroptosis in tumor cells. *Journal of virology*, 98(3), e0189723.

Sun H, et al. (2024) USP5 Promotes Ripretinib Resistance in Gastrointestinal Stromal Tumors by MDH2 Deubiquitination. *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*, 11(34), e2401171.

Yang W, et al. (2024) Targeting SNRNP200-induced splicing dysregulation offers an immunotherapy opportunity for glycolytic triple-negative breast cancer. *Cell discovery*, 10(1), 96.

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

Fu Y, et al. (2023) Fam72a functions as a cell-cycle-controlled gene during proliferation and antagonizes apoptosis through reprogramming PP2A substrates. *Developmental cell*, 58(5), 398.

Khatun O, et al. (2023) SARS-CoV-2 ORF6 protein targets TRIM25 for proteasomal degradation to diminish K63-linked RIG-I ubiquitination and type-I interferon induction. *Cellular and molecular life sciences : CMLS*, 80(12), 364.