

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

pcDNA-HDAC6-FLAG

RRID:Addgene_30482

Type: Plasmid

Proper Citation

RRID:Addgene_30482

Plasmid Information

URL: <http://www.addgene.org/30482>

Proper Citation: RRID:Addgene_30482

Insert Name: HDAC6

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:14675537](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA-HDAC6-FLAG

Record Creation Time: 20220422T222133+0000

Record Last Update: 20260725T074538+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA-HDAC6-FLAG.

No alerts have been found for pcDNA-HDAC6-FLAG.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Huang YH, et al. (2025) The hydroxamate based HDAC inhibitor WMJ-J-09 induces colorectal cancer cell death by targeting tubulin and downregulating survivin. *Scientific reports*, 15(1), 19590.

Rana PS, et al. (2024) HDAC6 Inhibition Releases HR23B to Activate Proteasomes, Expand the Tumor Immunoepitome and Amplify T-cell Antimyeloma Activity. *Cancer research communications*, 4(6), 1517.

Mukherjee A, et al. (2024) SARS-CoV-2 nucleocapsid protein promotes self-deacetylation by inducing HDAC6 to facilitate viral replication. *Virology journal*, 21(1), 186.

Chiu YH, et al. (2021) Deacetylation as a receptor-regulated direct activation switch for pannexin channels. *Nature communications*, 12(1), 4482.

Urdiciain A, et al. (2021) Silencing of Histone Deacetylase 6 Decreases Cellular Malignancy and Contributes to Primary Cilium Restoration, Epithelial-to-Mesenchymal Transition Reversion, and Autophagy Inhibition in Glioblastoma Cell Lines. *Biology*, 10(6).

Gopalan J, et al. (2021) Targeting an anchored phosphatase-deacetylase unit restores renal ciliary homeostasis. *eLife*, 10.

Chi Z, et al. (2020) Honokiol ameliorates angiotensin II-induced hypertension and endothelial dysfunction by inhibiting HDAC6-mediated cystathionine γ -lyase degradation. *Journal of cellular and molecular medicine*, 24(18), 10663.

Chi Z, et al. (2019) Histone deacetylase 6 inhibitor tubastatin A attenuates angiotensin II-induced hypertension by preventing cystathionine γ -lyase protein degradation. *Pharmacological research*, 146, 104281.

A M, et al. (2019) A complex containing lysine-acetylated actin inhibits the formin INF2. *Nature cell biology*, 21(5), 592.

Hillert EK, et al. (2019) Proteasome inhibitor b-AP15 induces enhanced proteotoxicity by inhibiting cytoprotective aggresome formation. *Cancer letters*, 448, 70.

Li W, et al. (2019) Suppressor of hepatocellular carcinoma RASSF1A activates autophagy initiation and maturation. *Cell death and differentiation*, 26(8), 1379.

Zhang M, et al. (2018) HDAC6 Regulates the MRTF-A/SRF Axis and Vascular Smooth Muscle Cell Plasticity. *JACC. Basic to translational science*, 3(6), 782.

Yen CS, et al. (2018) A Novel Hydroxamate-Based Compound WMJ-J-09 Causes Head and Neck Squamous Cell Carcinoma Cell Death via LKB1-AMPK-p38MAPK-p63-Survivin Cascade. *Frontiers in pharmacology*, 9, 167.

Salemi LM, et al. (2017) Inhibition of HDAC6 activity through interaction with RanBPM and its associated CTLH complex. *BMC cancer*, 17(1), 460.

Bitler BG, et al. (2017) ARID1A-mutated ovarian cancers depend on HDAC6 activity. *Nature cell biology*, 19(8), 962.

Chang I, et al. (2016) Inhibition of HDAC6 Protein Enhances Bortezomib-induced Apoptosis in Head and Neck Squamous Cell Carcinoma (HNSCC) by Reducing Autophagy. *The Journal of biological chemistry*, 291(35), 18199.

Schoepflin ZR, et al. (2016) Class I and IIa HDACs Mediate HIF-1 α Stability Through PHD2-Dependent Mechanism, While HDAC6, a Class IIb Member, Promotes HIF-1 α Transcriptional Activity in Nucleus Pulposus Cells of the Intervertebral Disc. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 31(6), 1287.