

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

pcDNA-HDAC6.DC-FLAG

RRID:Addgene_30483

Type: Plasmid

Proper Citation

RRID:Addgene_30483

Plasmid Information

URL: <http://www.addgene.org/30483>

Proper Citation: RRID:Addgene_30483

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.DC-FLAG

Relevant Mutation: Catalytically inactive mutant (H216/611A)

Record Creation Time: 20220422T222133+0000

Record Last Update: 20260725T074538+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Rana PS, et al. (2024) HDAC6 Inhibition Releases HR23B to Activate Proteasomes, Expand the Tumor Immunopeptidome 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.

Dai HY, et al. (2023) HDAC6 promotes aggressive development of liver cancer by improving egfr mRNA stability. Neoplasia (New York, N.Y.), 35, 100845.

Nomura Y, et al. (2021) Inhibition of HDAC6 Activity Protects Against Endothelial Dysfunction and Atherogenesis in vivo: A Role for HDAC6 Neddylation. Frontiers in physiology, 12, 675724.

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.

Magupalli VG, et al. (2020) HDAC6 mediates an aggresome-like mechanism for NLRP3 and pyrin inflammasome activation. Science (New York, N.Y.), 369(6510).

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.

Chen H, et al. (2019) HDAC6 Restricts Influenza A Virus by Deacetylation of the RNA Polymerase PA Subunit. Journal of virology, 93(4).

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

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

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.

Salian-Mehta S, et al. (2015) Novel Interaction of Class IIb Histone Deacetylase 6 (HDAC6) with Class IIa HDAC9 Controls Gonadotropin Releasing Hormone (GnRH) Neuronal Cell Survival and Movement. The Journal of biological chemistry, 290(22), 14045.