

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

HDAC3 Flag

RRID:Addgene_13819

Type: Plasmid

Proper Citation

RRID:Addgene_13819

Plasmid Information

URL: <http://www.addgene.org/13819>

Proper Citation: RRID:Addgene_13819

Insert Name: HDAC3

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9501169](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5500; Vector Backbone:pcDNA3.1 +; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: cloned into a version of pcDNA3.1 that has been modified to include a C-terminal Flag tag.

Plasmid Name: HDAC3 Flag

Record Creation Time: 20220422T221800+0000

Record Last Update: 20260808T080849+0000

Ratings and Alerts

No rating or validation information has been found for HDAC3 Flag.

No alerts have been found for HDAC3 Flag.

Data and Source Information

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Fu Q, et al. (2026) Identification of the regulatory elements and protein substrates of lysine acetoacetylation. *eLife*, 14.

Mitchell CD, et al. (2025) HDAC3 mediates retinal endothelial cell metabolic reprogramming and angiogenesis. *Acta pharmacologica Sinica*.

Maes ME, et al. (2023) BAX activation in mouse retinal ganglion cells occurs in two temporally and mechanistically distinct steps. *Research square*.

Garcia Morato J, et al. (2022) Sirtuin-1 sensitive lysine-136 acetylation drives phase separation and pathological aggregation of TDP-43. *Nature communications*, 13(1), 1223.

Bruce JW, et al. (2021) ZBTB2 represses HIV-1 transcription and is regulated by HIV-1 Vpr and cellular DNA damage responses. *PLoS pathogens*, 17(2), e1009364.

Schmitt HM, et al. (2021) Increased Susceptibility and Intrinsic Apoptotic Signaling in Neurons by Induced HDAC3 Expression. *Investigative ophthalmology & visual science*, 62(10), 14.

Ho M, et al. (2020) Targeting histone deacetylase 3 (HDAC3) in the bone marrow microenvironment inhibits multiple myeloma proliferation by modulating exosomes and IL-6 trans-signaling. *Leukemia*, 34(1), 196.

Taha TY, et al. (2020) Modulation of hepatitis B virus pregenomic RNA stability and splicing by histone deacetylase 5 enhances viral biosynthesis. *PLoS pathogens*, 16(8), e1008802.

Nagareddy B, et al. (2020) Acetylation modulates the Fanconi anemia pathway by protecting FAAP20 from ubiquitin-mediated proteasomal degradation. *The Journal of biological chemistry*, 295(40), 13887.

Pablo Tortola C, et al. (2020) Activation of Tripartite Motif Containing 63 Expression by Transcription Factor EB and Transcription Factor Binding to Immunoglobulin Heavy Chain Enhancer 3 Is Regulated by Protein Kinase D and Class IIa Histone Deacetylases. *Frontiers in physiology*, 11, 550506.

Maes ME, et al. (2019) Completion of BAX recruitment correlates with mitochondrial fission during apoptosis. *Scientific reports*, 9(1), 16565.

Pfister JA, et al. (2019) Catalytic-independent neuroprotection by SIRT1 is mediated through interaction with HDAC1. *PLoS one*, 14(4), e0215208.

Choi YM, et al. (2019) Mdm2 is required for HDAC3 monoubiquitination and stability. *Biochemical and biophysical research communications*, 517(2), 353.

Mirza AN, et al. (2019) LAP2 Proteins Chaperone GLI1 Movement between the Lamina and Chromatin to Regulate Transcription. *Cell*, 176(1-2), 198.

Kwon DY, et al. (2017) Locus-specific histone deacetylation using a synthetic CRISPR-Cas9-based HDAC. *Nature communications*, 8, 15315.

Wang YF, et al. (2017) G9a regulates breast cancer growth by modulating iron homeostasis through the repression of ferroxidase hephaestin. *Nature communications*, 8(1), 274.

Yen CS, et al. (2016) Lovastatin causes FaDu hypopharyngeal carcinoma cell death via AMPK-p63-survivin signaling cascade. *Scientific reports*, 6, 25082.

Cui W, et al. (2016) A SUMO-acetyl switch in PXR biology. *Biochimica et biophysica acta*, 1859(9), 1170.

Liu HM, et al. (2016) Regulation of Retinoic Acid Inducible Gene-I (RIG-I) Activation by the Histone Deacetylase 6. *EBioMedicine*, 9, 195.

Rahman S, et al. (2015) E2F1-mediated FOS induction in arsenic trioxide-induced cellular transformation: effects of global H3K9 hypoacetylation and promoter-specific hyperacetylation in vitro. *Environmental health perspectives*, 123(5), 484.