

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

HDAC1 Flag

RRID:Addgene_13820

Type: Plasmid

Proper Citation

RRID:Addgene_13820

Plasmid Information

URL: <http://www.addgene.org/13820>

Proper Citation: RRID:Addgene_13820

Insert Name: HDAC1

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 (see author's map for details).

Plasmid Name: HDAC1 Flag

Record Creation Time: 20220422T221800+0000

Record Last Update: 20260815T080620+0000

Ratings and Alerts

No rating or validation information has been found for HDAC1 Flag.

No alerts have been found for HDAC1 Flag.

Data and Source Information

Usage and Citation Metrics

We found 44 mentions in open access literature.

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

Akano I, et al. (2025) The SWI/SNF-related protein SMARCA3 is a histone H3K23 ubiquitin ligase that regulates H3K9me3 in cancer. *Molecular cell*, 85(15), 2885.

Lu Y, et al. (2024) HDAC5 enhances IRF3 activation and is targeted for degradation by protein C6 from orthopoxviruses including Monkeypox virus and Variola virus. *Cell reports*, 43(3), 113788.

Mu??oz S, et al. (2024) SIN3A histone deacetylase action counteracts MUS81 to promote stalled fork stability. *Cell reports*, 43(2), 113778.

Wang XQD, et al. (2023) Mutant NPM1 Hijacks Transcriptional Hubs to Maintain Pathogenic Gene Programs in Acute Myeloid Leukemia. *Cancer discovery*, 13(3), 724.

Schwartz L, et al. (2023) Repurposing HDAC inhibitors to enhance ribonuclease 4 and 7 expression and reduce urinary tract infection. *Proceedings of the National Academy of Sciences of the United States of America*, 120(4), e2213363120.

Harada T, et al. (2023) Novel antimyeloma therapeutic option with inhibition of the HDAC1-IRF4 axis and PIM kinase. *Blood advances*, 7(6), 1019.

Putta S, et al. (2022) Structural basis for tunable affinity and specificity of LxCxE-dependent protein interactions with the retinoblastoma protein family. *Structure (London, England : 1993)*, 30(9), 1340.

Grabowska A, et al. (2022) Activation-induced chromatin reorganization in neurons depends on HDAC1 activity. *Cell reports*, 38(7), 110352.

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.

Zhang D, et al. (2021) Targeting Corticotroph HDAC and PI3-Kinase in Cushing Disease. *The Journal of clinical endocrinology and metabolism*, 106(1), e232.

Kerek EM, et al. (2021) A conserved acetylation switch enables pharmacological control of tubby-like protein stability. *The Journal of biological chemistry*, 296, 100073.

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.

Singh VP, et al. (2020) Enhanced Generation of Induced Cardiomyocytes Using a Small-Molecule Cocktail to Overcome Barriers to Cardiac Cellular Reprogramming. *Journal of*

the American Heart Association, 9(12), e015686.

Baumann V, et al. (2019) Targeted removal of epigenetic barriers during transcriptional reprogramming. *Nature communications*, 10(1), 2119.

Lu Y, et al. (2019) Histone deacetylase 4 promotes type I interferon signaling, restricts DNA viruses, and is degraded via vaccinia virus protein C6. *Proceedings of the National Academy of Sciences of the United States of America*, 116(24), 11997.

Hyndman KA, et al. (2019) Dynamic changes in histone deacetylases following kidney ischemia-reperfusion injury are critical for promoting proximal tubule proliferation. *American journal of physiology. Renal physiology*, 316(5), F875.

Chao MW, et al. (2019) Combination treatment strategy for pancreatic cancer involving the novel HDAC inhibitor MPT0E028 with a MEK inhibitor beyond K-Ras status. *Clinical epigenetics*, 11(1), 85.

Banerjee A, et al. (2019) Elevated histone H3 acetylation and loss of the Sp1-HDAC1 complex de-repress the GM2-synthase gene in renal cell carcinoma. *The Journal of biological chemistry*, 294(3), 1005.

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

Olson HE, et al. (2018) A Recurrent De Novo PACS2 Heterozygous Missense Variant Causes Neonatal-Onset Developmental Epileptic Encephalopathy, Facial Dysmorphism, and Cerebellar Dysgenesis. *American journal of human genetics*, 102(5), 995.