

Resource Summary Report

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

HDAC5 Flag

RRID:Addgene_13822

Type: Plasmid

Proper Citation

RRID:Addgene_13822

Plasmid Information

URL: <http://www.addgene.org/13822>

Proper Citation: RRID:Addgene_13822

Insert Name: HDAC5

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10206986](#)

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: HDAC5 Flag

Record Creation Time: 20220422T221800+0000

Record Last Update: 20260815T080621+0000

Ratings and Alerts

No rating or validation information has been found for HDAC5 Flag.

No alerts have been found for HDAC5 Flag.

Data and Source Information

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

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.

Suh YS, et al. (2024) RNA expression of 6 genes from metastatic mucosal gastric cancer serves as the global prognostic marker for gastric cancer with functional validation. *British journal of cancer*, 130(9), 1571.

Schrenk C, et al. (2023) Synergistic Interaction of the Class IIa HDAC Inhibitor CHDI0039 with Bortezomib in Head and Neck Cancer Cells. *International journal of molecular sciences*, 24(6).

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.

Jaguva Vasudevan AA, et al. (2022) Proteomic and transcriptomic profiles of human urothelial cancer cells with histone deacetylase 5 overexpression. *Scientific data*, 9(1), 240.

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.

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.

Jaguva Vasudevan AA, et al. (2019) HDAC5 Expression in Urothelial Carcinoma Cell Lines Inhibits Long-Term Proliferation but Can Promote Epithelial-to-Mesenchymal Transition. *International journal of molecular sciences*, 20(9).

Brescia P, et al. (2018) MEF2B Instructs Germinal Center Development and Acts as an Oncogene in B Cell Lymphomagenesis. *Cancer cell*, 34(3), 453.

Dodge-Kafka KL, et al. (2018) Bidirectional regulation of HDAC5 by mAKAP?? signalosomes in cardiac myocytes. *Journal of molecular and cellular cardiology*, 118, 13.

Kemler D, et al. (2016) The LIM domain protein nTRIP6 acts as a co-repressor for the transcription factor MEF2C in myoblasts. *Scientific reports*, 6, 27746.

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

Lee HA, et al. (2015) Histone Deacetylase 3 and 4 Complex Stimulates the Transcriptional Activity of the Mineralocorticoid Receptor. PloS one, 10(8), e0136801.

Cho Y, et al. (2015) Filamin A is required in injured axons for HDAC5 activity and axon regeneration. The Journal of biological chemistry, 290(37), 22759.

Sinnott-Smith J, et al. (2014) Protein kinase D1 mediates class IIa histone deacetylase phosphorylation and nuclear extrusion in intestinal epithelial cells: role in mitogenic signaling. American journal of physiology. Cell physiology, 306(10), C961.

Selvik LK, et al. (2014) Salt-inducible kinase 1 (SIK1) is induced by gastrin and inhibits migration of gastric adenocarcinoma cells. PloS one, 9(11), e112485.

Finsterwald C, et al. (2013) Role of salt-inducible kinase 1 in the activation of MEF2-dependent transcription by BDNF. PloS one, 8(1), e54545.

Buchberger E, et al. (2013) Overexpression of the transcriptional repressor complex BCL-6/BCoR leads to nuclear aggregates distinct from classical aggresomes. PloS one, 8(10), e76845.

Duncan CE, et al. (2013) Histone deacetylase-3 interacts with ataxin-7 and is altered in a spinocerebellar ataxia type 7 mouse model. Molecular neurodegeneration, 8, 42.