

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

pcDNA-HDAC4.3SA-FLAG

RRID:Addgene_30486

Type: Plasmid

Proper Citation

RRID:Addgene_30486

Plasmid Information

URL: <http://www.addgene.org/30486>

Proper Citation: RRID:Addgene_30486

Insert Name: HDAC4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

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

Plasmid Name: pcDNA-HDAC4.3SA-FLAG

Relevant Mutation: S246/467/632A

Record Creation Time: 20220422T222133+0000

Record Last Update: 20260912T092548+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA-HDAC4.3SA-FLAG.

No alerts have been found for pcDNA-HDAC4.3SA-FLAG.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Renzini A, et al. (2022) Cytoplasmic HDAC4 regulates the membrane repair mechanism in Duchenne muscular dystrophy. *Journal of cachexia, sarcopenia and muscle*, 13(2), 1339.

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.

Prasad H, et al. (2018) Histone deacetylase-mediated regulation of endolysosomal pH. *The Journal of biological chemistry*, 293(18), 6721.

Marroncelli N, et al. (2018) HDAC4 regulates satellite cell proliferation and differentiation by targeting P21 and Sharp1 genes. *Scientific reports*, 8(1), 3448.

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

Kritzer MD, et al. (2014) The scaffold protein muscle A-kinase anchoring protein ?? orchestrates cardiac myocyte hypertrophic signaling required for the development of heart failure. *Circulation. Heart failure*, 7(4), 663.