

Resource Summary Report

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

FLAG HDAC5 S259A/S498A

RRID:Addgene_32216

Type: Plasmid

Proper Citation

RRID:Addgene_32216

Plasmid Information

URL: <http://www.addgene.org/32216>

Proper Citation: RRID:Addgene_32216

Insert Name: HDAC5

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21565617](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5428; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: FLAG HDAC5 S259A/S498A

Relevant Mutation: Ser259Ala, Ser498Ala

Record Creation Time: 20220422T222140+0000

Record Last Update: 20260725T074549+0000

Ratings and Alerts

No rating or validation information has been found for FLAG HDAC5 S259A/S498A.

No alerts have been found for FLAG HDAC5 S259A/S498A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Sato T, et al. (2020) A FAK/HDAC5 signaling axis controls osteocyte mechanotransduction. *Nature communications*, 11(1), 3282.

Mazzocchi M, et al. (2019) Gene Co-expression Analysis Identifies Histone Deacetylase 5 and 9 Expression in Midbrain Dopamine Neurons and as Regulators of Neurite Growth via Bone Morphogenetic Protein Signaling. *Frontiers in cell and developmental biology*, 7, 191.

Chang JK, et al. (2017) Protein kinase D1 (PKD1) phosphorylation on Ser203 by type I p21-activated kinase (PAK) regulates PKD1 localization. *The Journal of biological chemistry*, 292(23), 9523.

Sinnett-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.

Fu X, et al. (2013) AMP-activated protein kinase mediates myogenin expression and myogenesis via histone deacetylase 5. *American journal of physiology. Cell physiology*, 305(8), C887.