

Resource Summary Report

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

SIRT6 Flag

RRID:Addgene_13817

Type: Plasmid

Proper Citation

RRID:Addgene_13817

Plasmid Information

URL: <http://www.addgene.org/13817>

Proper Citation: RRID:Addgene_13817

Insert Name: SIRT6

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12620231](#)

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: SIRT6 Flag

Record Creation Time: 20220422T221759+0000

Record Last Update: 20260815T080620+0000

Ratings and Alerts

No rating or validation information has been found for SIRT6 Flag.

No alerts have been found for SIRT6 Flag.

Data and Source Information

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Wu S, et al. (2023) Sirt6 protects cardiomyocytes against doxorubicin-induced cardiotoxicity by inhibiting P53/Fas-dependent cell death and augmenting endogenous antioxidant defense mechanisms. *Cell biology and toxicology*, 39(1), 237.

Zhao K, et al. (2023) MOF-mediated acetylation of SIRT6 disrupts SIRT6-FOXA2 interaction and represses SIRT6 tumor-suppressive function by upregulating ZEB2 in NSCLC. *Cell reports*, 42(8), 112939.

Bandopadhyay S, et al. (2022) SIRT6 promotes mitochondrial fission and subsequent cellular invasion in ovarian cancer. *FEBS open bio*, 12(9), 1657.

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.

Dai X, et al. (2022) Acetylation-dependent regulation of BRAF oncogenic function. *Cell reports*, 38(3), 110250.

Tsai YC, et al. (2021) Upregulating sirtuin 6 ameliorates glycolysis, EMT and distant metastasis of pancreatic adenocarcinoma with krüppel-like factor 10 deficiency. *Experimental & molecular medicine*, 53(10), 1623.

Li X, et al. (2021) Acetylation of ELF5 suppresses breast cancer progression by promoting its degradation and targeting CCND1. *NPJ precision oncology*, 5(1), 20.

Shimizu K, et al. (2021) Interplay between protein acetylation and ubiquitination controls MCL1 protein stability. *Cell reports*, 37(6), 109988.

Khan D, et al. (2021) SIRT6 transcriptionally regulates fatty acid transport by suppressing PPAR γ . *Cell reports*, 35(9), 109190.

Wang L, et al. (2018) Aberrant SIRT6 expression contributes to melanoma growth: Role of the autophagy paradox and IGF-AKT signaling. *Autophagy*, 14(3), 518.

Zhang L, et al. (2018) Protective effects of SIRT6 against lipopolysaccharide (LPS) are mediated by deacetylation of Ku70. *Molecular immunology*, 101, 312.

Qian M, et al. (2018) Boosting ATM activity alleviates aging and extends lifespan in a mouse model of progeria. *eLife*, 7.

Sarikhani M, et al. (2018) SIRT2 deacetylase regulates the activity of GSK3 isoforms independent of inhibitory phosphorylation. *eLife*, 7.

Long D, et al. (2017) The Oxidative State of Cysteine Thiol 144 Regulates the SIRT6 Glucose Homeostat. *Scientific reports*, 7(1), 11005.

Huang N, et al. (2017) Sirtuin 6 plays an oncogenic role and induces cell autophagy in esophageal cancer cells. *Tumour biology : the journal of the International Society for Oncodevelopmental Biology and Medicine*, 39(6), 1010428317708532.

Wang Y, et al. (2017) Overexpression of SIRT6 attenuates the tumorigenicity of hepatocellular carcinoma cells. *Oncotarget*, 8(44), 76223.

Mohibi S, et al. (2016) Acetylation of Mammalian ADA3 Is Required for Its Functional Roles in Histone Acetylation and Cell Proliferation. *Molecular and cellular biology*, 36(19), 2487.

Wang XX, et al. (2016) SIRT6 protects cardiomyocytes against ischemia/reperfusion injury by augmenting FoxO3?-dependent antioxidant defense mechanisms. *Basic research in cardiology*, 111(2), 13.

Chen W, et al. (2016) WITHDRAWN: SIRT6 protects against lipopolysaccharide (LPS)-induced apoptosis in human dental pulp cells by deacetylation of Ku70. *Biochemical and biophysical research communications*.

Timucin AC, et al. (2016) SIRT6 Is a Positive Regulator of Aldose Reductase Expression in U937 and HeLa cells under Osmotic Stress: In Vitro and In Silico Insights. *PloS one*, 11(8), e0161494.