Resource Summary Report

Generated by NIF on Jul 31, 2026

pCDNA4-Myc-HisA-H248Y-Sirt3

RRID:Addgene_24917
Type: Plasmid

Proper Citation

RRID:Addgene_24917

Plasmid Information

URL: http://www.addgene.org/24917

Proper Citation: RRID:Addgene_24917

Insert Name: Sirt3

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:18794531

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5075; Vector Backbone:pcDNA4/myc-His A; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Catalytically inactive mutant

Plasmid Name: pCDNA4-Myc-HisA-H248Y-Sirt3

Relevant Mutation: His248 mutated to Tyr(Y)

Record Creation Time: 20220422T222111+0000

Record Last Update: 20260725T074453+0000

Ratings and Alerts

No rating or validation information has been found for pCDNA4-Myc-HisA-H248Y-Sirt3.

No alerts have been found for pCDNA4-Myc-HisA-H248Y-Sirt3.

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 .

Qu Q, et al. (2024) Lithocholic acid binds TULP3 to activate sirtuins and AMPK to slow down ageing. Nature.

Garcia Castro DR, et al. (2023) Increased SIRT3 combined with PARP inhibition rescues motor function of SBMA mice. iScience, 26(8), 107375.

Palomer X, et al. (2020) SIRT3-mediated inhibition of FOS through histone H3 deacetylation prevents cardiac fibrosis and inflammation. Signal transduction and targeted therapy, 5(1), 14.

Smolkov?? K, et al. (2020) SIRT3 and GCN5L regulation of NADP+- and NADPH-driven reactions of mitochondrial isocitrate dehydrogenase IDH2. Scientific reports, 10(1), 8677.

Wang CY, et al. (2020) TLR9 Binding to Beclin 1 and Mitochondrial SIRT3 by a Sodium-Glucose Co-Transporter 2 Inhibitor Protects the Heart from Doxorubicin Toxicity. Biology, 9(11).

Duguay BA, et al. (2013) Mitochondrial nucleases ENDOG and EXOG participate in mitochondrial DNA depletion initiated by herpes simplex virus 1 UL12.5. Journal of virology, 87(21), 11787.