

Resource Summary Report

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

Luc-SIRT1 3'UTR

RRID:Addgene_20379

Type: Plasmid

Proper Citation

RRID:Addgene_20379

Plasmid Information

URL: <http://www.addgene.org/20379>

Proper Citation: RRID:Addgene_20379

Insert Name: SIRT1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18755897](#)

Vector Backbone Description: Backbone Size:6470; Vector Backbone:pMIR-REPORT; Vector Types:Luciferase; Bacterial Resistance:Ampicillin

Comments: There are mismatches between Addgene's sequence and NCBI sequence for SIRT1 UTR. Deposit is aware of these changes and doesn't think they affect function.

Plasmid Name: Luc-SIRT1 3'UTR

Relevant Mutation: 3'UTR of SIRT1

Record Creation Time: 20220422T222051+0000

Record Last Update: 20260725T074417+0000

Ratings and Alerts

No rating or validation information has been found for Luc-SIRT1 3'UTR.

No alerts have been found for Luc-SIRT1 3'UTR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Baker JR, et al. (2019) MicroRNA-570 is a novel regulator of cellular senescence and inflammaging. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 33(2), 1605.

Baker JR, et al. (2016) Oxidative stress dependent microRNA-34a activation via PI3K?? reduces the expression of sirtuin-1 and sirtuin-6 in epithelial cells. Scientific reports, 6, 35871.

Kim HJ, et al. (2015) Carbon monoxide protects against hepatic ischemia/reperfusion injury by modulating the miR-34a/SIRT1 pathway. Biochimica et biophysica acta, 1852(7), 1550.

Ferreira DM, et al. (2014) c-Jun N-terminal kinase 1/c-Jun activation of the p53/microRNA 34a/sirtuin 1 pathway contributes to apoptosis induced by deoxycholic acid in rat liver. Molecular and cellular biology, 34(6), 1100.