

Resource Summary Report

Generated by [dkNET](#) on Aug 16, 2026

shp53 pLKO.1 puro

RRID:Addgene_19119

Type: Plasmid

Proper Citation

RRID:Addgene_19119

Plasmid Information

URL: <http://www.addgene.org/19119>

Proper Citation: RRID:Addgene_19119

Insert Name: small hairpin RNA against tumor protein p53

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18614011](#)

Vector Backbone Description: Backbone Marker:GenHunter; Backbone Size:7032; Vector Backbone:pLKO.1 puro; Vector Types:Mammalian Expression, Lentiviral, RNAi; Bacterial Resistance:Ampicillin

Comments: Cloned by Watmick RS. Addgene Note: An IS1 element was detected near the lac promoter.

Plasmid Name: shp53 pLKO.1 puro

Record Creation Time: 20220422T222044+0000

Record Last Update: 20260815T081142+0000

Ratings and Alerts

No rating or validation information has been found for shp53 pLKO.1 puro.

No alerts have been found for shp53 pLKO.1 puro.

Data and Source Information

Usage and Citation Metrics

We found 57 mentions in open access literature.

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

Cacciatore R, et al. (2026) Endocytic Control of Cell-Autonomous and Non-Cell-Autonomous Functions of p53. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(30), e13765.

Fisher E, et al. (2026) ASCL1 promotes nuclear shrinkage in transdifferentiation by suppressing NUP37. *Stem cell reports*, 21(3), 102823.

Sayed AE, et al. (2026) The mTORC2 component SIN1 post-transcriptionally regulates TYMS levels and modulates P53 activity in response to 5-FU chemotherapy. *Cell communication and signaling : CCS*, 24(1), 111.

Lama R, et al. (2025) Novel Inhibitors for MDM2-MDM4 E3 Ligase Potently Induce p53-Independent Apoptosis in Drug-Resistant Leukemic Cells. *Molecules* (Basel, Switzerland), 30(1).

Wang X, et al. (2025) Anticancer Quinolinol Small Molecules Target Multiple Pathways to Promote Cell Death and Eliminate Melanoma Cells Resistant to BRAF Inhibitors. *Molecules* (Basel, Switzerland), 30(13).

Liu Y, et al. (2025) Reversible proliferative arrest induced by rapid depletion of RNase MRP. *Nature communications*, 16(1), 5342.

Thoenen E, et al. (2025) Suppression of stress granule formation is a vulnerability imposed by mutant p53. *Nature communications*, 16(1), 2365.

Michaeli O, et al. (2024) APR-246 as a radiosensitization strategy for mutant p53 cancers treated with alpha-particles-based radiotherapy. *Cell death & disease*, 15(6), 426.

Fifield BA, et al. (2024) Atypical cell cycle regulation promotes mammary stem cell expansion during mammary development and tumourigenesis. *Breast cancer research : BCR*, 26(1), 106.

Galán-Vidal J, et al. (2024) Sumo-regulatory SENP2 controls the homeostatic squamous mitosis-differentiation checkpoint. *Cell death & disease*, 15(8), 596.

Oskouian B, et al. (2024) AF1q is a universal marker of neuroblastoma that sustains N-Myc expression and drives tumorigenesis. *Oncogene*.

Ghosh M, et al. (2023) p53 engages the cGAS/STING cytosolic DNA sensing pathway for tumor suppression. *Molecular cell*, 83(2), 266.

Wang P, et al. (2023) Adult progenitor rejuvenation with embryonic factors. *Cell proliferation*, 56(5), e13459.

Simpson Ragdale H, et al. (2023) Injury primes mutation-bearing astrocytes for dedifferentiation in later life. *Current biology : CB*, 33(6), 1082.

Alalem M, et al. (2022) Mutant p53 Depletion by Novel Inhibitors for HSP40/J-Domain Proteins Derived from the Natural Compound Plumbagin. *Cancers*, 14(17).

Lama R, et al. (2022) Small molecule MMRI62 targets MDM4 for degradation and induces leukemic cell apoptosis regardless of p53 status. *Frontiers in oncology*, 12, 933446.

Li J, et al. (2022) Small-Molecule MMRI62 Induces Ferroptosis and Inhibits Metastasis in Pancreatic Cancer via Degradation of Ferritin Heavy Chain and Mutant p53. *Molecular cancer therapeutics*, 21(4), 535.

Dale KL, et al. (2022) Modest increase of KIF11 expression exposes fragilities in the mitotic spindle, causing chromosomal instability. *Journal of cell science*, 135(17).

Yasuhara T, et al. (2022) RAP80 suppresses the vulnerability of R-loops during DNA double-strand break repair. *Cell reports*, 38(5), 110335.

Xia Y, et al. (2021) Berberine suppresses bladder cancer cell proliferation by inhibiting JAK1-STAT3 signaling via upregulation of miR-17-5p. *Biochemical pharmacology*, 188, 114575.