

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

T7-p53DD-pcDNA3

RRID:Addgene_25989

Type: Plasmid

Proper Citation

RRID:Addgene_25989

Plasmid Information

URL: <http://www.addgene.org/25989>

Proper Citation: RRID:Addgene_25989

Insert Name: tumor protein p53

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11034215](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5385; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: There is a L383H mutation in the sequence. The mutation should not affect plasmid function.

Plasmid Name: T7-p53DD-pcDNA3

Relevant Mutation: truncated cDNA encodes truncated protein (aa 300-393) with dominant negative function, deletion mutant is called "DD"

Record Creation Time: 20220422T222116+0000

Record Last Update: 20260829T080254+0000

Ratings and Alerts

No rating or validation information has been found for T7-p53DD-pcDNA3.

No alerts have been found for T7-p53DD-pcDNA3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Panczyszyn E, et al. (2024) FSP1 is a predictive biomarker of osteosarcoma cells' susceptibility to ferroptotic cell death and a potential therapeutic target. *Cell death discovery*, 10(1), 87.

Laverty DJ, et al. (2024) ATM inhibition exploits checkpoint defects and ATM-dependent double strand break repair in TP53-mutant glioblastoma. *Nature communications*, 15(1), 5294.

Park JC, et al. (2024) Enhancing genome editing in hPSCs through dual inhibition of DNA damage response and repair pathways. *Nature communications*, 15(1), 4002.

Bonjoch L, et al. (2023) Unraveling the impact of a germline heterozygous POLD1 frameshift variant in serrated polyposis syndrome. *Frontiers in molecular biosciences*, 10, 1119900.

Liu X, et al. (2023) IMPDH inhibition activates TLR-VCAM1 pathway and suppresses the development of MLL-fusion leukemia. *EMBO molecular medicine*, 15(1), e15631.

Cicardi ME, et al. (2023) C9orf72 poly(PR) mediated neurodegeneration is associated with nucleolar stress. *bioRxiv : the preprint server for biology*.

Cicardi ME, et al. (2023) C9orf72 poly(PR) mediated neurodegeneration is associated with nucleolar stress. *iScience*, 26(9), 107505.

Langer HT, et al. (2022) Dominant-negative p53-overexpression in skeletal muscle induces cell death and fiber atrophy in rats. *Cell death & disease*, 13(8), 716.

Fujino T, et al. (2021) Mutant ASXL1 induces age-related expansion of phenotypic hematopoietic stem cells through activation of Akt/mTOR pathway. *Nature communications*, 12(1), 1826.

Walton CC, et al. (2019) Primary neurons can enter M-phase. *Scientific reports*, 9(1), 4594.

Tamura M, et al. (2019) Opposing effects of acute versus chronic inhibition of p53 on decitabine's efficacy in myeloid neoplasms. *Scientific reports*, 9(1), 8171.

Lawrenson K, et al. (2015) Cis-eQTL analysis and functional validation of candidate susceptibility genes for high-grade serous ovarian cancer. *Nature communications*, 6, 8234.