

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

pcDNA3 p53 WT

RRID:Addgene_69003

Type: Plasmid

Proper Citation

RRID:Addgene_69003

Plasmid Information

URL: <http://www.addgene.org/69003>

Proper Citation: RRID:Addgene_69003

Insert Name: p53

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24928858](#)

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

Plasmid Name: pcDNA3 p53 WT

Record Creation Time: 20220422T222428+0000

Record Last Update: 20260815T081848+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3 p53 WT.

No alerts have been found for pcDNA3 p53 WT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Bouchard AY, et al. (2026) A ZNF-nanobody fusion reveals SUMOylation-dependent changes in p53 protein localization. *iScience*, 29(5), 115673.

Liu S, et al. (2026) Induced Tumor-Suppressing (ITS) Cell-Based Approach for Protecting the Bone from Advanced Prostate Cancer. *Biomolecules*, 16(2).

Bouchard AY, et al. (2025) A short SUMOylation tag modulates transcription factor activity. *The Journal of biological chemistry*, 301(11), 110807.

Samanta A, et al. (2025) The RNA-binding protein hnRNP E1 regulates p53 and p21 translation via KH1 and KH2 domain interactions with 3' UTR C-rich motifs. *The Journal of biological chemistry*, 302(2), 111042.

Zoltsman G, et al. (2024) A unique chaperoning mechanism in class A JDPs recognizes and stabilizes mutant p53. *Molecular cell*.

Choi YJ, et al. (2024) p53 activation enhances the sensitivity of non-small cell lung cancer to the combination of SH003 and docetaxel by inhibiting de novo pyrimidine synthesis. *Cancer cell international*, 24(1), 156.

Chen J, et al. (2023) Defining function of wild-type and three patient-specific TP53 mutations in a zebrafish model of embryonal rhabdomyosarcoma. *eLife*, 12.

Rojas EA, et al. (2022) Expression of p53 protein isoforms predicts survival in patients with multiple myeloma. *American journal of hematology*, 97(6), 700.

Mitra S, et al. (2021) Subcellular Distribution of p53 by the p53-Responsive lncRNA NBAT1 Determines Chemotherapeutic Response in Neuroblastoma. *Cancer research*, 81(6), 1457.

Scarpa M, et al. (2021) CD80 expression is upregulated by TP53 activation in human cancer epithelial cells. *Oncoimmunology*, 10(1), 1907912.

Cheng F, et al. (2021) Urolithin A Inhibits Epithelial-Mesenchymal Transition in Lung Cancer Cells via P53-Mdm2-Snail Pathway. *OncoTargets and therapy*, 14, 3199.

Feng Y, et al. (2021) Mechanical Loading-Driven Tumor Suppression Is Mediated by Lrp5-Dependent and Independent Mechanisms. *Cancers*, 13(2).

Ristic B, et al. (2020) Hereditary hemochromatosis disrupts uric acid homeostasis and causes hyperuricemia via altered expression/activity of xanthine oxidase and ABCG2. *The Biochemical journal*, 477(8), 1499.

Matreyek KA, et al. (2020) An improved platform for functional assessment of large protein libraries in mammalian cells. *Nucleic acids research*, 48(1), e1.

Fernández-Aroca DM, et al. (2019) P53 pathway is a major determinant in the radiosensitizing effect of Palbociclib: Implication in cancer therapy. *Cancer letters*, 451, 23.

Hennigan RF, et al. (2019) Proximity biotinylation identifies a set of conformation-specific interactions between Merlin and cell junction proteins. *Science signaling*, 12(578).

Yang L, et al. (2019) G1 phase cell cycle arrest in NSCLC in response to LZ-106, an analog of enoxacin, is orchestrated through ROS overproduction in a P53-dependent manner. *Carcinogenesis*, 40(1), 131.

Abdel-Rashid RS, et al. (2019) Fabrication Of Gold Nanoparticles In Absence Of Surfactant As In Vitro Carrier Of Plasmid DNA. *International journal of nanomedicine*, 14, 8399.

Hashem FM, et al. (2019) In vitro cytotoxicity and transfection efficiency of pDNA encoded p53 gene-loaded chitosan-sodium deoxycholate nanoparticles. *International journal of nanomedicine*, 14, 4123.

Frost JR, et al. (2018) Adenovirus 5 E1A-Mediated Suppression of p53 via FUBP1. *Journal of virology*, 92(14).