

Resource Summary Report

Generated by [NIF](#) on Aug 5, 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: 20260801T081707+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 22 mentions in open access literature.

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

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).

Dunphy G, et al. (2018) Non-canonical Activation of the DNA Sensing Adaptor STING by ATM and IFI16 Mediates NF- κ B Signaling after Nuclear DNA Damage. Molecular cell, 71(5), 745.

Ishak Gabra MB, et al. (2018) IKK γ activates p53 to promote cancer cell adaptation to glutamine deprivation. Oncogenesis, 7(11), 93.