

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

Flag p21 WT

RRID:Addgene_16240

Type: Plasmid

Proper Citation

RRID:Addgene_16240

Plasmid Information

URL: <http://www.addgene.org/16240>

Proper Citation: RRID:Addgene_16240

Insert Name: p21

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11231573](#)

Vector Backbone Description: Backbone Size:5446; Vector Backbone:pMT5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Order of elements: CMV promoter--Flag--NdeI--ATG--human p21--TGA--BamHI.

Plasmid Name: Flag p21 WT

Record Creation Time: 20220422T221918+0000

Record Last Update: 20260905T075055+0000

Ratings and Alerts

No rating or validation information has been found for Flag p21 WT.

No alerts have been found for Flag p21 WT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Manousakis E, et al. (2026) CDKN1A/p21 Influences the Survival and Expansion of Breast Cancer Stem Cells after Oxidative Damage. *Oncology research*, 34(5), 20.

Courte J, et al. (2024) Programming the elongation of mammalian cell aggregates with synthetic gene circuits. *bioRxiv : the preprint server for biology*.

Ren G, et al. (2024) BET inhibition induces synthetic lethality in PTEN deficient colorectal cancers via dual action on p21CIP1/WAF1. *International journal of biological sciences*, 20(6), 1978.

Brauer E, et al. (2023) Dissecting the influence of cellular senescence on cell mechanics and extracellular matrix formation in vitro. *Aging cell*, 22(3), e13744.

Katuwal NB, et al. (2023) Targeting PEG10 as a novel therapeutic approach to overcome CDK4/6 inhibitor resistance in breast cancer. *Journal of experimental & clinical cancer research : CR*, 42(1), 325.

Cullot G, et al. (2023) Cell cycle arrest and p53 prevent ON-target megabase-scale rearrangements induced by CRISPR-Cas9. *Nature communications*, 14(1), 4072.

Schultz CW, et al. (2023) ATR inhibition augments the efficacy of lurbinectedin in small-cell lung cancer. *EMBO molecular medicine*, 15(8), e17313.

Müller L, et al. (2023) Plakophilin 3 facilitates G1/S phase transition and enhances proliferation by capturing RB protein in the cytoplasm and promoting EGFR signaling. *Cell reports*, 42(1), 112031.

Chen PJ, et al. (2021) Enhanced prime editing systems by manipulating cellular determinants of editing outcomes. *Cell*, 184(22), 5635.

Kim HK, et al. (2018) Transcriptional Repression of High-Mobility Group Box 2 by p21 in Radiation-Induced Senescence. *Molecules and cells*, 41(4), 362.

Ho DH, et al. (2017) Correction to: Leucine-Rich Repeat Kinase 2 (LRRK2) phosphorylates p53 and induces p21WAF1/CIP1 expression. *Molecular brain*, 10(1), 48.

Louis Sam Titus ASC, et al. (2017) Reduced Expression of Foxp1 as a Contributing Factor in Huntington's Disease. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(27), 6575.

Llanos S, et al. (2016) Stabilization of p21 by mTORC1/4E-BP1 predicts clinical outcome of head and neck cancers. *Nature communications*, 7, 10438.

Badia R, et al. (2016) The G1/S Specific Cyclin D2 Is a Regulator of HIV-1 Restriction in Non-proliferating Cells. *PLoS pathogens*, 12(8), e1005829.

Pfister JA, et al. (2016) Regulation of Neuronal Survival by Nucleophosmin 1 (NPM1) Is Dependent on Its Expression Level, Subcellular Localization, and Oligomerization Status. *The Journal of biological chemistry*, 291(39), 20787.

Nagano T, et al. (2016) Identification of cellular senescence-specific genes by comparative transcriptomics. *Scientific reports*, 6, 31758.

Ho DH, et al. (2015) Leucine-Rich Repeat Kinase 2 (LRRK2) phosphorylates p53 and induces p21(WAF1/CIP1) expression. *Molecular brain*, 8, 54.

Dai M, et al. (2013) Cyclin D1 cooperates with p21 to regulate TGF β -mediated breast cancer cell migration and tumor local invasion. *Breast cancer research : BCR*, 15(3), R49.

Neise D, et al. (2013) The p90 ribosomal S6 kinase (RSK) inhibitor BI-D1870 prevents gamma irradiation-induced apoptosis and mediates senescence via RSK- and p53-independent accumulation of p21WAF1/CIP1. *Cell death & disease*, 4(10), e859.

Napione L, et al. (2012) IL-12-dependent innate immunity arrests endothelial cells in G0-G1 phase by a p21(Cip1/Waf1)-mediated mechanism. *Angiogenesis*, 15(4), 713.