Resource Summary Report

Generated by dkNET on Sep 4, 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: 20260902T042612+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?-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.