

Resource Summary Report

Generated by [dkNET](#) on Jul 29, 2026

pUC18

RRID:Addgene_50004

Type: Plasmid

Proper Citation

RRID:Addgene_50004

Plasmid Information

URL: <http://www.addgene.org/50004>

Proper Citation: RRID:Addgene_50004

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:6323249](#)

Vector Backbone Description: Backbone Marker:Messing Lab; Backbone Size:2680; Vector Backbone:pUC6, Addgene plasmid #49793; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Identical to pUC19 (Addgene plasmid #50005) except that the multiple cloning sites (MCS) are arranged in opposite orientation. Please note that this plasmid runs as a dimer (>5kb).

Plasmid Name: pUC18

Record Creation Time: 20220422T222257+0000

Record Last Update: 20260725T074802+0000

Ratings and Alerts

No rating or validation information has been found for pUC18.

No alerts have been found for pUC18.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Pal S, et al. (2025) Amplification-Free Quantification of Endogenous Mitochondrial DNA Copy Number Using Solid-State Nanopores. *ACS nano*, 19(11), 11390.

Shao D, et al. (2025) The tumor microenvironment enhances the expression of cssDNA by modulating cell cycle signaling pathways via SKP2. *Scientific reports*, 15(1), 38760.

Song J, et al. (2023) Phage Engineering for Targeted Multidrug-Resistant *Escherichia coli*. *International journal of molecular sciences*, 24(3).

Chuapoco MR, et al. (2023) Adeno-associated viral vectors for functional intravenous gene transfer throughout the non-human primate brain. *Nature nanotechnology*, 18(10), 1241.

Hallee L, et al. (2023) Machine learning classifiers predict key genomic and evolutionary traits across the kingdoms of life. *Scientific reports*, 13(1), 2088.

Liu Y, et al. (2023) O-Polysaccharides of LPS Modulate *E. coli* Uptake by *Acanthamoeba castellanii*. *Microorganisms*, 11(6).

Kawano T, et al. (2023) ER proteostasis regulators cell-non-autonomously control sleep. *Cell reports*, 42(3), 112267.

Ciechonska M, et al. (2022) Emergent expression of fitness-conferring genes by phenotypic selection. *PNAS nexus*, 1(3), pgac069.

Evans RM, et al. (2021) Selective cysteine-to-selenocysteine changes in a [NiFe]-hydrogenase confirm a special position for catalysis and oxygen tolerance. *Proceedings of the National Academy of Sciences of the United States of America*, 118(13).

Huang YH, et al. (2020) Structure-Based Mechanisms of a Molecular RNA Polymerase/Chaperone Machine Required for Ribosome Biosynthesis. *Molecular cell*, 79(6), 1024.

Liu S, et al. (2019) Oral Administration of miR-30d from Feces of MS Patients Suppresses MS-like Symptoms in Mice by Expanding *Akkermansia muciniphila*. *Cell host & microbe*, 26(6), 779.