

Resource Summary Report

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

pUC19

RRID:Addgene_50005

Type: Plasmid

Proper Citation

RRID:Addgene_50005

Plasmid Information

URL: <http://www.addgene.org/50005>

Proper Citation: RRID:Addgene_50005

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:6323249](#)

Vector Backbone Description: Backbone Marker:Messing Lab; Backbone Size:2686; Vector Backbone:pUC6, Addgene plasmid #49793; Vector Types:cloning vector; Bacterial Resistance:Ampicillin

Comments: Identical to pUC18 (Addgene plasmid #50004) except that the multiple cloning sites (MCS) are arranged in opposite orientation.

Plasmid Name: pUC19

Record Creation Time: 20220422T222257+0000

Record Last Update: 20260725T074802+0000

Ratings and Alerts

No rating or validation information has been found for pUC19.

No alerts have been found for pUC19.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 87 mentions in open access literature.

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

Nam HJ, et al. (2025) Autophagy induction enhances homologous recombination-associated CRISPR-Cas9 gene editing. *Nucleic acids research*, 53(7).

Panthi A, et al. (2025) Alternatively spliced isoforms of IRF7 differentially regulate interferon expression to tune response to viral infection. *Cell reports*, 44(9), 116166.

Espinoza A, et al. (2025) Protocol for quantifying phase-separated condensates in living cells using HILO microscopy imaging and genetic engineering. *STAR protocols*, 6(4), 104151.

Mishra S, et al. (2025) Genetic tools for engineering *Zymomonas mobilis*, *Cereibacter sphaeroides* and *Novosphingobium aromaticivorans* to improve production of bioenergy compounds. *Microbial cell factories*, 24(1), 239.

Granda Farias A, et al. (2025) Phenotypic screens for SIRPA expression reveal RAB21 as a general regulator of macrophage surface identity. *Cell reports*, 44(7), 115921.

Zhang M, et al. (2025) Phosphorylation-dependent charge blocks regulate the relaxation of nuclear speckle networks. *Molecular cell*, 85(9), 1760.

Li X, et al. (2025) Unlocking the Puzzle of Mammalian Transfection: The Role of the RNA-sensing-Mediated Interferon Response in the Cellular Defense Against Foreign DNA Intrusion. *International journal of biological sciences*, 21(9), 3886.

Pech U, et al. (2025) Synaptic deregulation of cholinergic projection neurons causes olfactory dysfunction across five fly Parkinsonism models. *eLife*, 13.

Jo MJ, et al. (2025) Protocol to screen chemicals to enhance homology-directed repair in CRISPR-Cas9 gene editing. *STAR protocols*, 6(3), 103896.

Zahraei M, et al. (2025) CRISPR/dCas9-TET1-mediated epigenetic editing reactivates miR-200c in breast cancer cells. *Scientific reports*, 15(1), 31739.

Ossola C, et al. (2025) Adducins regulate morphology and fate of neural progenitors during neocortical neurogenesis. *Cell reports*, 44(9), 116276.

Marsh NM, et al. (2025) Mitochondrial calcium signaling regulates branched-chain amino acid catabolism in fibrolamellar carcinoma. *Science advances*, 11(22), eadu9512.

Eshima J, et al. (2025) An engineered culture vessel and flow system to improve the in vitro analysis of volatile organic compounds. *Communications engineering*, 4(1), 162.

Majerciak V, et al. (2025) Identification and Characterization of MmuPV1 Causing Papillomatosis Outbreak in an Animal Research Facility. *Viruses*, 17(9).

Jordan DF, et al. (2025) Residues neighboring an SH3-binding motif participate in the interaction in vivo. *Genetics*, 231(2).

Mallory BJ, et al. (2025) Principles and functional consequences of plasmid chromatinization in mammalian cells. *bioRxiv : the preprint server for biology*.

Ajibode ET, et al. (2025) Profiling crRNA architectures for enhanced Cas12 biosensing. *Communications biology*, 8(1), 947.

Tamura T, et al. (2025) mTOR-mediated p62/SQSTM1 stabilization confers a robust survival mechanism for ovarian cancer. *Cancer letters*, 616, 217565.

Hou G, et al. (2025) SAMD9 senses cytosolic double-stranded nucleic acids in epithelial and mesenchymal cells to induce antiviral immunity. *Nature communications*, 16(1), 3756.

Guo R, et al. (2025) Recombinant PRV Expressing GP3 and GP5 of PRRSV Provides Effective Protection Against Coinfection With PRV and PRRSV. *Transboundary and emerging diseases*, 2025, 4612568.