

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pC016 - LwCas13a guide expression backbone with U6 promoter

RRID:Addgene_91906

Type: Plasmid

Proper Citation

RRID:Addgene_91906

Plasmid Information

URL: <http://www.addgene.org/91906>

Proper Citation: RRID:Addgene_91906

Insert Name: LwCas13a Guide site

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28976959](#)

Vector Backbone Description: Backbone Size:2850; Vector Backbone:pUC19; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pC016 - LwCas13a guide expression backbone with U6 promoter

Record Creation Time: 20220422T222622+0000

Record Last Update: 20260902T050522+0000

Ratings and Alerts

No rating or validation information has been found for pC016 - LwCas13a guide expression backbone with U6 promoter.

No alerts have been found for pC016 - LwCas13a guide expression backbone with U6 promoter.

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 [RRID](#) .

Marayati BF, et al. (2024) Programmable protein expression using a genetically encoded m6A sensor. *Nature biotechnology*, 42(9), 1417.

Apostolopoulos A, et al. (2024) dCas13-mediated translational repression for accurate gene silencing in mammalian cells. *Nature communications*, 15(1), 2205.

Manjunath LE, et al. (2024) Transcript-specific induction of stop codon readthrough using a CRISPR-dCas13 system. *EMBO reports*, 25(4), 2118.

Tian S, et al. (2022) Targeted intracellular delivery of Cas13 and Cas9 nucleases using bacterial toxin-based platforms. *Cell reports*, 38(10), 110476.

Cheng W, et al. (2022) Parallel functional assessment of m6A sites in human endodermal differentiation with base editor screens. *Nature communications*, 13(1), 478.

Chen M, et al. (2022) Live imaging of RNA and RNA splicing in mammalian cells via the dcas13a-SunTag-BiFC system. *Biosensors & bioelectronics*, 204, 114074.

Chen B, et al. (2021) CRISPR-based RNA-binding protein mapping in live cells. *Biochemical and biophysical research communications*, 583, 79.

Xu D, et al. (2020) A CRISPR/Cas13-based approach demonstrates biological relevance of vlinc class of long non-coding RNAs in anticancer drug response. *Scientific reports*, 10(1), 1794.

Marina RJ, et al. (2020) Evaluation of Engineered CRISPR-Cas-Mediated Systems for Site-Specific RNA Editing. *Cell reports*, 33(5), 108350.

Freije CA, et al. (2019) Programmable Inhibition and Detection of RNA Viruses Using Cas13. *Molecular cell*, 76(5), 826.

Konermann S, et al. (2018) Transcriptome Engineering with RNA-Targeting Type VI-D CRISPR Effectors. *Cell*, 173(3), 665.