

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

CROPseq-puro-v2

RRID:Addgene_127458

Type: Plasmid

Proper Citation

RRID:Addgene_127458

Plasmid Information

URL: <http://www.addgene.org/127458>

Proper Citation: RRID:Addgene_127458

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31626775](#)

Vector Backbone Description: Vector Backbone:pLenti (Addgene #86708); Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Cloning Method: Golden Gate; 3' Cloning Site: aagcaccgactcggtgccac Please visit <https://www.biorxiv.org/content/10.1101/383943v1> for bioRxiv preprint.

Plasmid Name: CROPseq-puro-v2

Record Creation Time: 20220422T221708+0000

Record Last Update: 20260808T080712+0000

Ratings and Alerts

No rating or validation information has been found for CROPseq-puro-v2.

No alerts have been found for CROPseq-puro-v2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Donlic A, et al. (2026) Deep learning of functional perturbations from condensate morphology. *Cell*, 189(15), 4562.

Aleksandrovic E, et al. (2025) Temporal Clonal Tracing and Functional Perturbation Reveal Niche-Adaptive and Tumor-Intrinsic IFN?? Dependencies Driving Ovarian Cancer Metastasis. *bioRxiv : the preprint server for biology*.

Carlson RJ, et al. (2025) Single-cell image-based screens identify host regulators of Ebola virus infection dynamics. *Nature microbiology*, 10(8), 1989.

Le A, et al. (2025) High-content image-based pooled screens reveal regulators of synaptogenesis. *Cell reports*, 44(7), 115889.

Quintanilla I, et al. (2025) Optical Pooled Screening for the Discovery of Regulators of the Alternative Lengthening of Telomeres Pathway. *bioRxiv : the preprint server for biology*.

Gentili M, et al. (2024) Classification and functional characterization of regulators of intracellular STING trafficking identified by genome-wide optical pooled screening. *bioRxiv : the preprint server for biology*.

Carlson RJ, et al. (2024) Single-cell image-based genetic screens systematically identify regulators of Ebola virus subcellular infection dynamics. *bioRxiv : the preprint server for biology*.

Gentili M, et al. (2024) Classification and functional characterization of regulators of intracellular STING trafficking identified by genome-wide optical pooled screening. *Cell systems*, 15(12), 1264.

Walton RT, et al. (2024) CROPseq-multi: a versatile solution for multiplexed perturbation and decoding in pooled CRISPR screens. *bioRxiv : the preprint server for biology*.

Santhosh Kumar S, et al. (2024) Sequential CRISPR screening reveals partial NatB inhibition as a strategy to mitigate alpha-synuclein levels in human neurons. *Science advances*, 10(6), eadj4767.

Gu J, et al. (2023) CRISPRmap: Sequencing-free optical pooled screens mapping multi-omic phenotypes in cells and tissue. *bioRxiv : the preprint server for biology*.

Carlson RJ, et al. (2023) A genome-wide optical pooled screen reveals regulators of cellular antiviral responses. *Proceedings of the National Academy of Sciences of the United States of America*, 120(16), e2210623120.

Funk L, et al. (2022) The phenotypic landscape of essential human genes. *Cell*, 185(24), 4634.