

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

hCRISPRa-v2, genome-wide, top 5 sgRNAs/gene

RRID:Addgene_83978

Type: Plasmid

Proper Citation

RRID:Addgene_83978

Plasmid Information

URL: <http://www.addgene.org/83978>

Proper Citation: RRID:Addgene_83978

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27661255](https://pubmed.ncbi.nlm.nih.gov/27661255/)

Vector Backbone Description: Vector Backbone:pCRISPRa-v2; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: hCRISPRa-v2, genome-wide, top 5 sgRNAs/gene

Record Creation Time: 20220422T222542+0000

Record Last Update: 20260815T082110+0000

Ratings and Alerts

No rating or validation information has been found for hCRISPRa-v2, genome-wide, top 5 sgRNAs/gene.

No alerts have been found for hCRISPRa-v2, genome-wide, top 5 sgRNAs/gene.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Thu KL, et al. (2026) Genome-Wide CRISPR Screens Identify ABCG2-Mediated Drug Resistance to the Threonine Tyrosine Kinase (TTK) Inhibitor CFI-402257 in Breast Cancer. *International journal of molecular sciences*, 27(6).

Moreno CL, et al. (2025) P selectin promotes SARS-CoV-2 interactions with platelets and the endothelium. *The Journal of clinical investigation*, 135(22).

Weston JD, et al. (2025) CRISPRa genome-wide screen identifies novel gene targets for osteogenic cell engineering. *Journal of tissue engineering*, 16, 20417314251390038.

Zhao T, et al. (2025) Derepressing nuclear pyruvate dehydrogenase induces therapeutic cancer cell reprogramming. *Cell metabolism*, 37(8), 1667.

Heo SJ, et al. (2024) Compact CRISPR genetic screens enabled by improved guide RNA library cloning. *Genome biology*, 25(1), 25.

Company C, et al. (2024) Logical design of synthetic cis-regulatory DNA for genetic tracing of cell identities and state changes. *Nature communications*, 15(1), 897.

Arriaga JM, et al. (2024) In vivo genome-wide CRISPR screening identifies CITED2 as a driver of prostate cancer bone metastasis. *Oncogene*, 43(17), 1303.

Loo L, et al. (2023) Fibroblast-expressed LRRC15 is a receptor for SARS-CoV-2 spike and controls antiviral and antifibrotic transcriptional programs. *PLoS biology*, 21(2), e3001967.

Dahabieh MS, et al. (2022) Silencing PEX26 as an unconventional mode to kill drug-resistant cancer cells and forestall drug resistance. *Autophagy*, 18(3), 540.

Palmer AC, et al. (2019) A curative combination cancer therapy achieves high fractional cell killing through low cross-resistance and drug additivity. *eLife*, 8.