

Resource Summary Report

Generated by [dkNET](#) on May 21, 2025

pSPgRNA

RRID:Addgene_47108

Type: Plasmid

Proper Citation

RRID:Addgene_47108

Plasmid Information

URL: <http://www.addgene.org/47108>

Proper Citation: RRID:Addgene_47108

Insert Name: SPgRNA

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23892895](#)

Vector Backbone Description: Backbone Marker:Sigma; Vector Backbone:pZDonor;
Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: For more information on Gersbach Lab CRISPR Plasmids please refer to:
<http://www.addgene.org/crispr/Gersbach/>

Plasmid Name: pSPgRNA

Record Creation Time: 20220422T222242+0000

Record Last Update: 20220422T224151+0000

Ratings and Alerts

No rating or validation information has been found for pSPgRNA.

No alerts have been found for pSPgRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Marks MP, et al. (2024) Role of hydroxymethylglutharyl-coenzyme A reductase in the induction of stem-like states in breast cancer. *Journal of cancer research and clinical oncology*, 150(2), 106.

Brackenridge S, et al. (2024) The antibodies 3D12 and 4D12 recognise distinct epitopes and conformations of HLA-E. *Frontiers in immunology*, 15, 1329032.

Machour FE, et al. (2024) Harnessing DNA replication stress to target RBM10 deficiency in lung adenocarcinoma. *Nature communications*, 15(1), 6417.

Vicario R, et al. (2024) A microglia clonal inflammatory disorder in Alzheimer's Disease. *bioRxiv : the preprint server for biology*.

Hendriks D, et al. (2024) Human fetal brain self-organizes into long-term expanding organoids. *Cell*, 187(3), 712.

Chen X, et al. (2024) The FXR1 network acts as a signaling scaffold for actomyosin remodeling. *Cell*, 187(18), 5048.

Linna-Kuosmanen S, et al. (2024) Transcriptomic and spatial dissection of human ex vivo right atrial tissue reveals proinflammatory microvascular changes in ischemic heart disease. *Cell reports. Medicine*, 5(5), 101556.

Wernig-Zorc S, et al. (2024) The Long Non-Coding RNA MALAT1 Modulates NR4A1 Expression through a Downstream Regulatory Element in Specific Cancer Cell Types. *International journal of molecular sciences*, 25(10).

Sacristan C, et al. (2024) Vertebrate centromeres in mitosis are functionally bipartite structures stabilized by cohesin. *Cell*, 187(12), 3006.

Celotti M, et al. (2024) Protocol to create isogenic disease models from adult stem cell-derived organoids using next-generation CRISPR tools. *STAR protocols*, 5(3), 103189.

Brackenridge S, et al. (2024) Regulation of the cell surface expression of classical and non-classical MHC proteins by the human cytomegalovirus UL40 and rhesus cytomegalovirus Rh67 proteins. *Journal of virology*, 98(9), e0120624.

Bach SV, et al. (2023) Distinct roles of Bdnf I and Bdnf IV transcript variant expression in

hippocampal neurons. *bioRxiv* : the preprint server for biology.

Downes N, et al. (2023) Hypoxic regulation of hypoxia inducible factor 1 alpha via antisense transcription. *The Journal of biological chemistry*, 299(11), 105291.

Amin W, et al. (2023) Necessity of HuR/ELAVL1 for activation-induced cytidine deaminase-dependent decrease in topoisomerase 1 in antibody diversification. *International immunology*.

Motosugi N, et al. (2021) Deletion of lncRNA XACT does not change expression dosage of X-linked genes, but affects differentiation potential in hPSCs. *Cell reports*, 35(10), 109222.

Clarke R, et al. (2021) Sequential Activation of Guide RNAs to Enable Successive CRISPR-Cas9 Activities. *Molecular cell*, 81(2), 226.

Pereira JD, et al. (2021) Human sensorimotor organoids derived from healthy and amyotrophic lateral sclerosis stem cells form neuromuscular junctions. *Nature communications*, 12(1), 4744.

Carullo NVN, et al. (2020) Enhancer RNAs predict enhancer-gene regulatory links and are critical for enhancer function in neuronal systems. *Nucleic acids research*, 48(17), 9550.

Amalfi S, et al. (2020) Baculovirus Transduction in Mammalian Cells Is Affected by the Production of Type I and III Interferons, Which Is Mediated Mainly by the cGAS-STING Pathway. *Journal of virology*, 94(21).

Katsuyama E, et al. (2020) The CD38/NAD/SIRTUIN1/EZH2 Axis Mitigates Cytotoxic CD8 T Cell Function and Identifies Patients with SLE Prone to Infections. *Cell reports*, 30(1), 112.