

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

[pLX-sgRNA](#)

RRID:Addgene_50662

Type: Plasmid

Proper Citation

RRID:Addgene_50662

Plasmid Information

URL: <http://www.addgene.org/50662>

Proper Citation: RRID:Addgene_50662

Insert Name: sgAAVS1

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24336569](#)

Vector Backbone Description: Backbone Size:7000; Vector Backbone:pLX304; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: For more information on OE-PCR please see:
http://en.wikipedia.org/wiki/Overlap_extension_polymerase_chain_reaction) gRNA target sequence GGGGCCACTAGGGACAGGAT

Plasmid Name: pLX-sgRNA

Record Creation Time: 20220422T222259+0000

Record Last Update: 20260801T081416+0000

Ratings and Alerts

No rating or validation information has been found for pLX-sgRNA.

No alerts have been found for pLX-sgRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 84 mentions in open access literature.

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

Ma S, et al. (2025) Disrupting mitochondrial dynamics attenuates ferroptosis and chemotoxicity via upregulating NRF2-mediated FSP1 expression. *Cell reports*, 44(9), 116234.

Kumar R, et al. (2025) CRM1 regulates androgen receptor stability and impacts DNA repair pathways in prostate cancer, independent of the androgen receptor. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(2), e70342.

Moison C, et al. (2025) DDB1 engagement defines the selectivity of S656 analogs for cyclin K degradation over CDK inhibition. *EMBO reports*, 26(11), 2836.

Liang Z, et al. (2025) Cytotoxicity of activator expression in CRISPR-based transcriptional activation systems. *Nature communications*, 16(1), 8071.

Lin C, et al. (2025) Cholesterol metabolism regulated by CAMKK2-CREB signaling promotes castration-resistant prostate cancer. *Cell reports*, 44(6), 115792.

van de Kooij B, et al. (2024) The Fanconi anemia core complex promotes CtIP-dependent end resection to drive homologous recombination at DNA double-strand breaks. *Nature communications*, 15(1), 7076.

Ortega JA, et al. (2024) Retargeting target-directed microRNA-decay sites to highly expressed viral or cellular miRNAs. *Nucleic acids research*, 52(22), 14171.

Maddineni A, et al. (2024) Cytotoxicity of Activator Expression in CRISPR-based Transcriptional Activation Systems. *bioRxiv : the preprint server for biology*.

Corrado A, et al. (2024) Strategies for single base gene editing in an immortalized human cell line by CRISPR/Cas9 technology. *3 Biotech*, 14(2), 45.

Di Meo F, et al. (2023) A target discovery pipeline identified ILT3 as a target for immunotherapy of multiple myeloma. *Cell reports. Medicine*, 4(7), 101110.

Kostyushev D, et al. (2023) Transient and tunable CRISPRa regulation of APOBEC/AID genes for targeting hepatitis B virus. *Molecular therapy. Nucleic acids*, 32, 478.

Wilson GA, et al. (2023) Active growth signaling promotes senescence and cancer cell sensitivity to CDK7 inhibition. *Molecular cell*, 83(22), 4078.

Hatzold J, et al. (2023) Matriptase-dependent epidermal pre-neoplasm in zebrafish embryos caused by a combination of hypotonic stress and epithelial polarity defects. *PLoS genetics*, 19(8), e1010873.

Itah Z, et al. (2023) HER2-driven breast cancer suppression by the JNK signaling pathway. *Proceedings of the National Academy of Sciences of the United States of*

America, 120(4), e2218373120.

Peng N, et al. (2023) Autophagy inhibition signals through senescence to promote tumor suppression. *Autophagy*, 19(6), 1764.

Kweon J, et al. (2023) Targeted genomic translocations and inversions generated using a paired prime editing strategy. *Molecular therapy : the journal of the American Society of Gene Therapy*, 31(1), 249.

Herrera LR, et al. (2023) The cancer testes antigen, HORMAD1, limits genomic instability in cancer cells by protecting stalled replication forks. *The Journal of biological chemistry*, 299(11), 105348.

van de Kooij B, et al. (2023) The Fanconi anemia core complex promotes CtIP-dependent end-resection to drive homologous recombination at DNA double-strand breaks. *bioRxiv : the preprint server for biology*.

Pillsbury CE, et al. (2023) Siglec-15 Promotes Evasion of Adaptive Immunity in B-cell Acute Lymphoblastic Leukemia. *Cancer research communications*, 3(7), 1248.

Moser-Katz T, et al. (2022) PDZ Proteins SCRIB and DLG1 Regulate Myeloma Cell Surface CD86 Expression, Growth, and Survival. *Molecular cancer research : MCR*, 20(7), 1122.