Resource Summary Report

Generated by dkNET on Sep 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: 20260902T045622+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 85 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Wang Z, et al. (2026) DCAF12 Ubiquitin Ligase Promotes Lung Cancer Metastasis by Modulating the TRiC/CCT Chaperonin Complex. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(3), e09695.

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.

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

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

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.

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.

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

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.

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.

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

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.

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.