

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pLH-spsgRNA2

RRID:Addgene_64114

Type: Plasmid

Proper Citation

RRID:Addgene_64114

Plasmid Information

URL: <http://www.addgene.org/64114>

Proper Citation: RRID:Addgene_64114

Insert Name: Sp sgRNA2

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25713381](#)

Vector Backbone Description: Backbone Size:8000; Vector Backbone:pLKO.1; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pLH-spsgRNA2

Record Creation Time: 20220422T222407+0000

Record Last Update: 20260815T081808+0000

Ratings and Alerts

No rating or validation information has been found for pLH-spsgRNA2.

No alerts have been found for pLH-spsgRNA2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Ye Z, et al. (2025) A Feedback Loop Between Fatty Acid Metabolism and Epigenetics in Clear Cell Renal Carcinoma. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(28), e04532.

Gupta S, et al. (2024) Miniaturized Fab' imaging probe derived from a clinical antibody: Characterization and imaging in CRISPRi-attenuated mammary tumor models. *iScience*, 27(8), 110102.

Kurtenbach S, et al. (2023) PRAME induces genomic instability in uveal melanoma. *Research square*.

Lin X, et al. (2023) Cooperation of MLL1 and Jun in controlling H3K4me3 on enhancers in colorectal cancer. *Genome biology*, 24(1), 268.

Xiao Q, et al. (2022) Regulation of KDM5C stability and enhancer reprogramming in breast cancer. *Cell death & disease*, 13(10), 843.

Haque F, et al. (2022) XLID syndrome gene Med12 promotes Ig isotype switching through chromatin modification and enhancer RNA regulation. *Science advances*, 8(47), eadd1466.

Kang Y, et al. (2021) Histone H3K4me1 strongly activates the DNase I hypersensitive sites in super-enhancers than those in typical enhancers. *Bioscience reports*, 41(7).

Kim J, et al. (2021) The human γ -globin enhancer LCR HS2 plays a role in forming a TAD by activating chromatin structure at neighboring CTCF sites. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(6), e21669.

Li QL, et al. (2021) Genome-wide profiling in colorectal cancer identifies PHF19 and TBC1D16 as oncogenic super enhancers. *Nature communications*, 12(1), 6407.

Kang Y, et al. (2021) Histone H3K4me1 and H3K27ac play roles in nucleosome eviction and eRNA transcription, respectively, at enhancers. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(8), e21781.

Kim YW, et al. (2020) GATA-1-dependent histone H3K27 acetylation mediates erythroid cell-specific chromatin interaction between CTCF sites. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 34(11), 14736.

Chaudhary N, et al. (2020) Background-suppressed live visualization of genomic loci with an improved CRISPR system based on a split fluorophore. *Genome research*, 30(9), 1306.

Kuznetsov JN, et al. (2019) BAP1 regulates epigenetic switch from pluripotency to differentiation in developmental lineages giving rise to BAP1-mutant cancers. *Science advances*, 5(9), eaax1738.

Kim YW, et al. (2017) Deletion of transcription factor binding motifs using the CRISPR/spCas9 system in the γ -globin LCR. Bioscience reports, 37(4).