

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

LRG (Lenti_sgRNA_EFS_GFP)

RRID:Addgene_65656

Type: Plasmid

Proper Citation

RRID:Addgene_65656

Plasmid Information

URL: <http://www.addgene.org/65656>

Proper Citation: RRID:Addgene_65656

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25961408](#)

Vector Backbone Description: Backbone Marker:Modified from lentiCRISPRv1 (Addgene Plasmid 49535); Backbone Size:9294; Vector Backbone:Lenti virus; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: LRG (Lenti_sgRNA_EFS_GFP)

Record Creation Time: 20220422T222413+0000

Record Last Update: 20260725T075011+0000

Ratings and Alerts

No rating or validation information has been found for LRG (Lenti_sgRNA_EFS_GFP).

No alerts have been found for LRG (Lenti_sgRNA_EFS_GFP).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 68 mentions in open access literature.

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

Vargas C, et al. (2025) CD44 Marks Dormant Tumor Cells After HER2 Inhibition in Breast Cancer Cells. *International journal of molecular sciences*, 26(10).

Long K, et al. (2025) A clinical-stage oncology compound selectively targets drug-resistant cancers. *bioRxiv : the preprint server for biology*.

Dzama-Karels M, et al. (2025) Menin-MLL1 complex cooperates with NF-Y to promote hepatocellular carcinoma survival. *Cell reports*, 44(12), 116619.

Petroulia S, et al. (2025) Uncovering Novel lncRNAs Linked to Melanoma Growth and Migration with CRISPR Inhibition Screening. *Cancer research communications*, 5(7), 1102.

Shamloo S, et al. (2025) RNA binding of GAPDH controls transcript stability and protein translation in acute myeloid leukemia. *RNA biology*, 22(1), 1.

Dzama-Karels M, et al. (2025) Menin-MLL1 complex cooperates with NF-Y to promote HCC survival. *bioRxiv : the preprint server for biology*.

Xu S, et al. (2025) SWI/SNF complex-mediated ZNF410 cooperative binding maintains chromatin accessibility and enhancer activity. *Cell reports*, 44(4), 115476.

Sreekumar A, et al. (2024) B3GALT6 promotes dormant breast cancer cell survival and recurrence by enabling heparan sulfate-mediated FGF signaling. *Cancer cell*, 42(1), 52.

Walton J, et al. (2024) PRMT1 inhibition perturbs RNA metabolism and induces DNA damage in clear cell renal cell carcinoma. *Nature communications*, 15(1), 8232.

Verma N, et al. (2024) Genome scale CRISPR screens identify actin capping proteins as key modulators of therapeutic responses to radiation and immunotherapy. *bioRxiv : the preprint server for biology*.

Freeland J, et al. (2024) Genetic Screen in a Preclinical Model of Sarcoma Development Defines Drivers and Therapeutic Vulnerabilities. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(21), 4957.

Fischer S, et al. (2024) IRF2BP2 counteracts the ATF7/JDP2 AP-1 heterodimer to prevent inflammatory overactivation in acute myeloid leukemia (AML) cells. *Nucleic acids research*, 52(13), 7590.

Matsui S, et al. (2024) Pioneer and PRDM transcription factors coordinate bivalent epigenetic states to safeguard cell fate. *Molecular cell*, 84(3), 476.

Matsui S, et al. (2024) Protocol for establishing inducible CRISPRd system for blocking transcription factor-binding sites in human pluripotent stem cells. *STAR protocols*, 5(3), 103233.

Hayes BH, et al. (2023) Chromosomal instability can favor macrophage-mediated immune response and induce a broad, vaccination-like anti-tumor IgG response. *bioRxiv : the preprint server for biology*.

Hanzl A, et al. (2023) Functional E3 ligase hotspots and resistance mechanisms to small-molecule degraders. *Nature chemical biology*, 19(3), 323.

Frost JM, et al. (2023) Regulation of human trophoblast gene expression by endogenous retroviruses. *Nature structural & molecular biology*, 30(4), 527.

Bishop TR, et al. (2023) Acetyl-CoA biosynthesis drives resistance to histone acetyltransferase inhibition. *Nature chemical biology*, 19(10), 1215.

Sun X, et al. (2023) BRD8 maintains glioblastoma by epigenetic reprogramming of the p53 network. *Nature*, 613(7942), 195.

Anderson R, et al. (2023) Pyruvate Dehydrogenase Inhibition Leads to Decreased Glycolysis, Increased Reliance on Gluconeogenesis and Alternative Sources of Acetyl-CoA in Acute Myeloid Leukemia. *Cancers*, 15(2).