Resource Summary Report

Generated by kravitz2 on Sep 1, 2026

Human Lentiviral sgRNA Library - Nuclear

RRID:Addgene_51047
Type: Plasmid

Proper Citation

RRID:Addgene_51047

Plasmid Information

URL: http://www.addgene.org/51047

Proper Citation: RRID:Addgene_51047

Insert Name: sgRNA library (enriched for nuclear targets)

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:24336569

Vector Backbone Description: Backbone Marker:based on pLX304 (Root lab); Backbone Size:7500; Vector Backbone:pLX-sgRNA; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: The library is supplied as pooled DNA. You will receive 1 microgram of DNA in a volume of ~20 microliters. IMPORTANT NOTE: Though each sub-pool is enriched for its respective target sgRNAs, they are not exclusive and elements of the entire library may be present in each sub-pool. The backbone of this library is pLX-sgRNA (http://www.addgene.org/50662). See map below.

Plasmid Name: Human Lentiviral sgRNA Library - Nuclear

Record Creation Time: 20220422T222301+0000

Record Last Update: 20260829T080637+0000

Ratings and Alerts

No rating or validation information has been found for Human Lentiviral sgRNA Library - Nuclear.

No alerts have been found for Human Lentiviral sgRNA Library - Nuclear.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Dayanc B, et al. (2025) Leveraging Circular Polymerization and Extension Cloning (CPEC) Method for Construction of CRISPR Screening Libraries. Bio-protocol, 15(4), e5183.

Qin M, et al. (2024) CRISPR-Cas and CRISPR-based screening system for precise gene editing and targeted cancer therapy. Journal of translational medicine, 22(1), 516.

Zhou Z, et al. (2022) An inducible CRISPR/Cas9 screen identifies DTX2 as a transcriptional regulator of human telomerase. iScience, 25(2), 103813.

Wei X, et al. (2020) Targeted CRISPR screening identifies PRMT5 as synthetic lethality combinatorial target with gemcitabine in pancreatic cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 117(45), 28068.

Yang H, et al. (2019) CRISPR Cas9 in Pancreatic Cancer Research. Frontiers in cell and developmental biology, 7, 239.

Huang H, et al. (2019) A CRISPR/Cas9 screen identifies the histone demethylase MINA53 as a novel HIV-1 latency-promoting gene (LPG). Nucleic acids research, 47(14), 7333.

Szlachta K, et al. (2018) CRISPR knockout screening identifies combinatorial drug targets in pancreatic cancer and models cellular drug response. Nature communications, 9(1), 4275.

Li Y, et al. (2018) Heterozygous deletion of chromosome 17p renders prostate cancer vulnerable to inhibition of RNA polymerase II. Nature communications, 9(1), 4394.