

Resource Summary Report

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lentiGuide-Puro

RRID:Addgene_52963

Type: Plasmid

Proper Citation

RRID:Addgene_52963

Plasmid Information

URL: <http://www.addgene.org/52963>

Proper Citation: RRID:Addgene_52963

Insert Name: S. pyogenes sgRNA cassette

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25075903](#)

Vector Backbone Description: Vector Backbone:Custom; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Note that this plasmid does NOT contain Cas9. It should be used in conjunction with lentiCas9-Blast (Addgene #52962) or otherwise with cell lines already expressing Cas9. Special note from the Zhang lab: We are constantly improving our CRISPR reagents. Please check <https://zlab.bio/> for the most up-to-date information.

Plasmid Name: lentiGuide-Puro

Ratings and Alerts

No rating or validation information has been found for lentiGuide-Puro.

No alerts have been found for lentiGuide-Puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 147 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Fukuoka M, et al. (2024) Genome-wide loss-of-function genetic screen identifies INSIG2 as the vulnerability of hepatitis B virus-integrated hepatoma cells. *Cancer science*, 115(3), 859.

Bao K, et al. (2024) A di-acetyl-decorated chromatin signature couples liquid condensation to suppress DNA end synapsis. *Molecular cell*.

Hou J, et al. (2024) Integrated multi-omics analyses identify anti-viral host factors and pathways controlling SARS-CoV-2 infection. *Nature communications*, 15(1), 109.

Sato Y, et al. (2024) Micronucleus is not a potent inducer of the cGAS/STING pathway. *Life science alliance*, 7(4).

Mortenson KL, et al. (2024) 3D genomic analysis reveals novel enhancer-hijacking caused by complex structural alterations that drive oncogene overexpression. *bioRxiv : the preprint server for biology*.

Lee H, et al. (2024) Cell cycle arrest induces lipid droplet formation and confers ferroptosis resistance. *Nature communications*, 15(1), 79.

Konno Y, et al. (2024) Two-step evolution of HIV-1 budding system leading to pandemic in the human population. *Cell reports*, 43(2), 113697.

Dai J, et al. (2024) Epstein-Barr virus induces germinal center light zone chromatin architecture and promotes survival through enhancer looping at the BCL2A1 locus. *mBio*, 15(1), e0244423.

Santhosh Kumar S, et al. (2024) Sequential CRISPR screening reveals partial NatB inhibition as a strategy to mitigate alpha-synuclein levels in human neurons. *Science advances*, 10(6), eadj4767.

Yifei L, et al. (2024) Germinal Center Cytokines Driven Epigenetic Control of Epstein-Barr Virus Latency Gene Expression. *bioRxiv : the preprint server for biology*.

Noguchi Y, et al. (2024) In vivo CRISPR screening directly targeting testicular cells. *Cell genomics*, 4(3), 100510.

Howard GC, et al. (2024) Ribosome subunit attrition and activation of the p53-MDM4 axis dominate the response of MLL-rearranged cancer cells to WDR5 WIN site inhibition. *bioRxiv* : the preprint server for biology.

Ku J, et al. (2024) Alternative polyadenylation determines the functional landscape of inverted Alu repeats. *Molecular cell*.

Duran I, et al. (2024) Detection of senescence using machine learning algorithms based on nuclear features. *Nature communications*, 15(1), 1041.

Xiao R, et al. (2024) Aneuploid embryonic stem cells drive teratoma metastasis. *Nature communications*, 15(1), 1087.

Hogan CH, et al. (2024) Multifaceted roles for STAT3 in gammaherpesvirus latency revealed through in vivo B cell knockout models. *mBio*, 15(2), e0299823.

Niedziółka SM, et al. (2024) The exocyst complex and intracellular vesicles mediate soluble protein trafficking to the primary cilium. *Communications biology*, 7(1), 213.

Zhang M, et al. (2024) RNA-binding protein RBM5 plays an essential role in acute myeloid leukemia by activating the oncogenic protein HOXA9. *Genome biology*, 25(1), 16.

Sweeney KM, et al. (2024) CRISPR screen for protein inclusion formation uncovers a role for SRRD in the regulation of intermediate filament dynamics and aggresome assembly. *PLoS genetics*, 20(2), e1011138.

Brenner LM, et al. (2024) Repeat DNA methylation is modulated by adherens junction signaling. *Communications biology*, 7(1), 286.