

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

lentiCas9-Blast

RRID:Addgene_52962

Type: Plasmid

Proper Citation

RRID:Addgene_52962

Plasmid Information

URL: <http://www.addgene.org/52962>

Proper Citation: RRID:Addgene_52962

Insert Name: Cas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25075903](#)

Vector Backbone Description: Backbone Size:10130; Vector Backbone:pFUGW; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: 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: lentiCas9-Blast

Record Creation Time: 20220422T222310+0000

Record Last Update: 20260808T081816+0000

Ratings and Alerts

No rating or validation information has been found for lentiCas9-Blast.

No alerts have been found for lentiCas9-Blast.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1010 mentions in open access literature.

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

Yuan F, et al. (2026) Glioblastoma stem cells resist cuproptosis with circadian variation of copper levels. The Journal of clinical investigation, 136(1).

Shulman A, et al. (2026) Fidelity-Ensuring Consistency of Mitosis is Safeguarded by the 53BP1-USP28-p53 Pathway. bioRxiv : the preprint server for biology.

Amelan A, et al. (2026) CRISPR knockout screens reveal genes and pathways essential for neuronal differentiation and implicate PEDS1 in neurodevelopment. Nature neuroscience.

Buco PAV, et al. (2026) Minute amounts of helicase-deficient truncated RECQL4 are sufficient for DNA replication. EMBO reports, 27(7), 1759.

Seibert M, et al. (2026) Endogenous protein tagging coupled with a CRISPR screening approach identifies UBE3C as a potential MYC oncogene regulator. Scientific reports, 16(1).

Kelley VM, et al. (2026) Loss of JAK1 Function Causes G2-M Cell-Cycle Defects Vulnerable to KIF18A Inhibition. Cancer research, 86(9), 2301.

Sharma AL, et al. (2026) HIV and Cocaine exposure promote Tau phosphorylation through RSK-1 in a GSK3 β -independent manner. bioRxiv : the preprint server for biology.

Rathore U, et al. (2026) Systematic discovery of pro- and anti-HIV host factors in primary human CD4 $^{+}$ T cells. Cell, 189(12), 3651.

Al Khazal FJ, et al. (2026) Unbiased CRISPR synthetic lethal screening for genetic vulnerabilities in a succinate dehydrogenase-loss model of paraganglioma. iScience, 29(6), 115885.

Bashir H, et al. (2026) Chronic stress unleashes an intratumor phage-fibroblast-B cell circuit to promote tumor growth. Cancer cell, 44(7), 1458.

Kutseikin S, et al. (2026) Pharmacological Inhibition of SLC33A1 Promotes Endoplasmic Reticulum Hyperoxidation and Induces Adaptive IRE1/XBP1s Signaling. bioRxiv : the preprint server for biology.

Zhang MS, et al. (2026) BCAT1-dependent HIF-1 α stabilization is a targetable metabolic vulnerability in hepatocellular carcinoma. Cell reports. Medicine, 7(5), 102784.

Lier S, et al. (2026) CDK12/CDK13 inhibition disrupts transcriptional elongation and replication fork progression in glioblastoma. EMBO molecular medicine, 18(5), 1592.

May CJ, et al. (2026) PLC γ regulates podocyte differentiation and TGF- β 1 responses via alteration of SMAD2/SMAD3 ratio. Cell communication and signaling : CCS, 24(1).

Shang Z, et al. (2026) LIPT1 loss confers replication stress and PARP inhibitor sensitivity through PrimPol-mediated ssDNA gaps. *Science advances*, 12(18), eaed8013.

Bevilacqua R, et al. (2026) Therapeutic vulnerabilities exposed by the 9p21 loss identified through multiparametric drug screening inform rational combination strategies. *NPJ precision oncology*, 10(1).

Su L, et al. (2026) ENPP1 blockade with a humanized monoclonal antibody enhances renal repair after acute kidney injury. *Cell stem cell*, 33(7), 1110.

Sotiriou A, et al. (2026) BAF complex-independent gene activation by SS18::SSX. *bioRxiv* : the preprint server for biology.

Nigri J, et al. (2026) Myofibroblasts Induce Neuroplasticity to Promote Pancreatic Inflammation and Cancer Progression. *Cancer discovery*, 16(5), 1014.

Abdelfattah N, et al. (2026) Male-biased Yap1-Cd276/B7-H3 axis for immune evasion in medulloblastoma. *Cancer cell*, 44(4), 760.