

Resource Summary Report

Generated by [RRID](#) on Aug 18, 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: 20260815T081626+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 [RRID](#) .

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.

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).

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.

Shang Z, et al. (2026) LIPT1 loss confers replication stress and PARP inhibitor sensitivity through PrimPol-mediated ssDNA gaps. *Science advances*, 12(18), ead8013.

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*.

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

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.

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).

Daly J, et al. (2026) CRISPR activation screens map the genomic landscape of cancer glycome remodeling. *Cell genomics*, 6(4), 101139.

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.