Resource Summary Report

Generated by dkNET on Sep 5, 2026

pKLV2-EF1a-Cas9Bsd-W

RRID:Addgene_68343
Type: Plasmid

Proper Citation

RRID:Addgene_68343

Plasmid Information

URL: http://www.addgene.org/68343

Proper Citation: RRID:Addgene_68343

Insert Name: EF1a-Cas9 cassette, WPRE

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:27760321

Vector Backbone Description: Backbone Size:5783; Vector Backbone:pKLV2 lentiviral vector; Vector Types:Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pKLV2-EF1a-Cas9Bsd-W

Record Creation Time: 20220422T222425+0000

Record Last Update: 20260902T050007+0000

Ratings and Alerts

No rating or validation information has been found for pKLV2-EF1a-Cas9Bsd-W.

No alerts have been found for pKLV2-EF1a-Cas9Bsd-W.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Watterson A, et al. (2026) CRISPR screens in the context of immune selection identify CHD1 and MAP3K7 as mediators of cancer immunotherapy resistance. Cell reports. Medicine, 7(1), 102565.

Zhou J, et al. (2026) CHEK2 loss endows chemotherapy resistance to hematopoietic stem cells. Leukemia, 40(3), 511.

Shi X, et al. (2025) Guanine nucleotide biosynthesis blockade impairs MLL complex formation and sensitizes leukemias to menin inhibition. Nature communications, 16(1), 2641.

Ruan D, et al. (2025) Establishment of human expanded potential stem cell lines via preimplantation embryo cultivation and somatic cell reprogramming. Nature protocols.

Killarney ST, et al. (2025) PKN2 Is a Dependency of the Mesenchymal-like Cancer Cell State. Cancer discovery, 15(3), 595.

Hsu HE, et al. (2025) Phosphoproteomics of osimertinib-tolerant persister cells reveals targetable kinase-substrate signatures. Molecular systems biology, 21(11), 1547.

Lukasiak S, et al. (2025) A benchmark comparison of CRISPRn guide-RNA design algorithms and generation of small single and dual-targeting libraries to boost screening efficiency. BMC genomics, 26(1), 198.

Chan PY, et al. (2025) The synthetic lethal interaction between CDS1 and CDS2 is a vulnerability in uveal melanoma and across multiple tumor types. Nature genetics, 57(7), 1672.

Huang Y, et al. (2025) Tumor suppressor protein p53 governs human trophoblast lineage development. Cell reports, 44(10), 116310.

Zhang W, et al. (2025) METTL3-dependent m6A RNA methylation regulates transposable elements and represses human na??ve pluripotency through transposable element-derived enhancers. Nucleic acids research, 53(8).

Huang W, et al. (2024) Uncovering the role of TET2-mediated ENPEP activation in trophoblast cell fate determination. Cellular and molecular life sciences : CMLS, 81(1), 270.

Pfeifer M, et al. (2024) Genome-wide CRISPR screens identify the YAP/TEAD axis as a driver of persister cells in EGFR mutant lung cancer. Communications biology, 7(1), 497.

Klomp JA, et al. (2024) Defining the KRAS- and ERK-dependent transcriptome in KRAS-mutant cancers. Science (New York, N.Y.), 384(6700), eadk0775.

Sakai M, et al. (2024) Genome-scale CRISPR-Cas9 screen identifies host factors as potential therapeutic targets for SARS-CoV-2 infection. iScience, 27(8), 110475.

Petrelli A, et al. (2023) BRCA2 Germline Mutations Identify Gastric Cancers Responsive to PARP Inhibitors. Cancer research, 83(10), 1699.

Chen ACH, et al. (2023) Expanded Potential Stem Cells from Human Embryos Have an Open Chromatin Configuration with Enhanced Trophoblast Differentiation Ability. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 10(11), e2204797.

Hermida-Prado F, et al. (2023) Endocrine Therapy Synergizes with SMAC Mimetics to Potentiate Antigen Presentation and Tumor Regression in Hormone Receptor-Positive Breast Cancer. Cancer research, 83(19), 3284.

Grinkevitch V, et al. (2022) Functional Genomic Identification of Predictors of Sensitivity and Mechanisms of Resistance to Multivalent Second-Generation TRAIL-R2 Agonists. Molecular cancer therapeutics, 21(4), 594.

Liao JQ, et al. (2022) Generation of Monoclonal iPSC Lines with Stable Cas9 Expression and High Cas9 Activity. Methods in molecular biology (Clifton, N.J.), 2454, 575.

Gogleva A, et al. (2022) Knowledge graph-based recommendation framework identifies drivers of resistance in EGFR mutant non-small cell lung cancer. Nature communications, 13(1), 1667.