Resource Summary Report

Generated by RRID on Aug 19, 2026

lenti dCAS-VP64_Blast

RRID:Addgene_61425
Type: Plasmid

Proper Citation

RRID:Addgene_61425

Plasmid Information

URL: http://www.addgene.org/61425

Proper Citation: RRID:Addgene_61425

Insert Name: dCAS9(D10A, N863A)-VP64_2A_Blast

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:25494202

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

Comments: IMPORTANT NOTE: If you intend to order the SAM library, this plasmid will come included with that order. Please do NOT order this plasmid if you are already planning to order the SAM library. For additional information, protocols and an activator sgRNA design tool, visit our website: http://sam.genome-engineering.org/

Plasmid Name: lenti dCAS-VP64_Blast

Relevant Mutation: D10A and N863A in Cas9

Record Creation Time: 20220422T222352+0000

Record Last Update: 20260815T081742+0000

Ratings and Alerts

No rating or validation information has been found for lenti dCAS-VP64_Blast.

No alerts have been found for lenti dCAS-VP64_Blast.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 234 mentions in open access literature.

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

Karnay A, et al. (2026) Transcription and cohesin direct domain boundary spatial positioning and are linked to Friedreich's ataxia. Molecular cell, 86(10), 1911.

Maurais EG, et al. (2026) Genome instability triggers intercellular DNA transfer between human cells. Cell, 189(15), 4548.

Zhang X, et al. (2026) Human pancreatic progenitor organoids define genetic and epigenetic barriers to early PDAC transformation. Developmental cell, 61(6), 1190.

Wang H, et al. (2026) ZNF296 Drives Immune Evasion in Epithelial Cancers by Repressing Immune Stimulatory Genes. Cancer research, 86(1), 116.

Wang Z, et al. (2026) Multidimensional mapping of stimulation-responsive regulatory elements and candidate causal variants in T cell activation. Science advances, 12(1), eady2539.

Sun J, et al. (2026) Functional impact of genetic background on variable expressivity in neurodevelopmental disorders. Nature communications, 17(1).

Pawar NR, et al. (2026) A whole genomic CRISPR-Cas9 screen identifies the amino acid transporter SLC43A1 (LAT3) as a major determinant of oxaliplatin sensitivity in colorectal cancer cells. Molecular cancer therapeutics.

Monteagudo-García Ó, et al. (2026) ZC3H13 Loss Drives Cancer Metastatic Progression by Disrupting m6A RNA Methylation. Cancer research, 86(3), 622.

Li Q, et al. (2026) A CRISPR activation screen identifies SPART as a pan-orthoflavivirus restriction factor. Cell host & microbe, 34(6), 1082.

Molotkova A, et al. (2026) ROME, an Ancient Gene with a Novel Function in Vertebrates, Is a Key Modulator of Embryonal Development and Cancer Metastasis. Cancer research communications, 6(3), 477.

Moura F, et al. (2026) Enhancing gene therapy vectors manufacturing: CEBPA as a master regulator of rAAV biogenesis. Journal of biological engineering, 20(1), 24.

Pulecio J, et al. (2026) Functional chromatin signatures premark future lineage-specific enhancers. Cell genomics, 6(5), 101189.

Taguchi A, et al. (2025) Single-cell activation screen identifies hepatic maturation regulators with zonal resolution. Developmental cell.

Dhungel BP, et al. (2025) An alternate receptor for adeno-associated viruses. Cell, 188(18), 4924.

Shirole NH, et al. (2025) Requirement for Cyclin D1 Underlies Cell-Autonomous HIF2 Dependence in Kidney Cancer. Cancer discovery, 15(7), 1484.

Wu Y, et al. (2025) Leveraging CRISPR activation for rapid assessment of gene editing products in human pluripotent stem cells. Stem cell reports, 20(6), 102499.

Sun J, et al. (2025) An integrated framework for functional dissection of variable expressivity in genetic disorders. medRxiv : the preprint server for health sciences.

Edelstein HI, et al. (2025) Conversion of natural cytokine receptors into orthogonal synthetic biosensors. Nature chemical biology.

Ma X, et al. (2025) Soluble MFGE8 mediates cell entry of Crimean-Congo hemorrhagic fever virus. mBio, 16(10), e0161725.

Li S, et al. (2025) Integrative characterization of MYC RNA-binding function. Cell genomics, 5(7), 100878.