

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[pX335-U6-Chimeric_BB-CBh-hSpCas9n\(D10A\)](#)

RRID:Addgene_42335

Type: Plasmid

Proper Citation

RRID:Addgene_42335

Plasmid Information

URL: <http://www.addgene.org/42335>

Proper Citation: RRID:Addgene_42335

Insert Name: humanized S. pyogenes Cas9 (D10A) nickase

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23287718](#)

Vector Backbone Description: Vector Backbone:pUC ori vector; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Note, Addgene's quality control sequencing has found a few discrepancies with the depositor's full sequence. The depositing lab is aware of these discrepancies, and they are not thought to affect plasmid function. For more information on Zhang Lab CRISPR Plasmids please refer to: <http://www.addgene.org/crispr/zhang/>

Plasmid Name: pX335-U6-Chimeric_BB-CBh-hSpCas9n(D10A)

Relevant Mutation: D10A nickase-converting mutation

Record Creation Time: 20220422T222218+0000

Record Last Update: 20260815T081452+0000

Ratings and Alerts

No rating or validation information has been found for pX335-U6-Chimeric_BB-CBh-hSpCas9n(D10A).

No alerts have been found for pX335-U6-Chimeric_BB-CBh-hSpCas9n(D10A).

Data and Source Information

Usage and Citation Metrics

We found 229 mentions in open access literature.

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

Hori T, et al. (2026) Dual pathways via CENP-C and Mis18C recruit HJURP for CENP-A deposition into vertebrate centromeres. *The EMBO journal*, 45(4), 1292.

Whelan EC, et al. (2026) Generation of spermatogonia from human and non-human primate pluripotent stem cells. *Cell stem cell*.

Mayama M, et al. (2026) Modeling human prenatal adrenocortical functional zonation dynamics from pluripotent stem cells. *Cell stem cell*, 33(3), 454.

Zhou Y, et al. (2026) ERK1/2 function as a central hub safeguarding primed human embryonic stem cell identity via multifaceted regulatory networks. *Cell reports*, 45(7), 117675.

Martin F, et al. (2025) Structure of the nucleosome-bound human BCL7A. *Nucleic acids research*, 53(7).

Guo R, et al. (2025) Recombinant PRV Expressing GP3 and GP5 of PRRSV Provides Effective Protection Against Coinfection With PRV and PRRSV. *Transboundary and emerging diseases*, 2025, 4612568.

Regan SB, et al. (2025) Megabase-scale loss of heterozygosity provoked by CRISPR-Cas9 DNA double-strand breaks. *Molecular cell*, 85(22), 4119.

Breunig M, et al. (2025) PPDPF is not a key regulator of human pancreas development. *PLoS genetics*, 21(4), e1011657.

Ogawa Y, et al. (2025) Inducible tag-free degradation of endogenous proteins with AlissAID and development of a photoactivable inducer. *Communications biology*, 8(1), 1546.

Bond AG, et al. (2025) Correction to "Development of BromoTag: A "Bump-and-Hole"-PROTAC System To Induce Potent, Rapid, and Selective Degradation of Tagged Target Proteins". *Journal of medicinal chemistry*, 68(3), 3900.

Aviles-Huerta D, et al. (2025) Dual Ribosome Profiling reveals metabolic limitations of cancer and stromal cells in the tumor microenvironment. *Nature communications*, 16(1), 4652.

Xiang RR, et al. (2025) CRISPR screening identifies regulators of enhancer-mediated androgen receptor transcription in advanced prostate cancer. *Cell reports*, 44(2), 115312.

Edupuganti RR, et al. (2025) Integrator promotes the association of TFIID and RNA polymerase II to maintain pluripotency during development. *Molecular cell*, 85(15), 2937.

Dykstra MM, et al. (2025) TDP43 autoregulation gives rise to dominant negative isoforms that are tightly controlled by transcriptional and post-translational mechanisms. *Cell reports*, 44(1), 115113.

Campbell AS, et al. (2025) Opposing roles for Bmp signalling during the development of electrosensory lateral line organs. *eLife*, 14.

Smoom R, et al. (2025) Separation of telomere protection from length regulation by two different point mutations at amino acid 492 of RTEL1. *Nucleic acids research*, 53(11).

Meijer HA, et al. (2025) NOTCH1 S2513 is critical for the regulation of NICD levels impacting the segmentation clock in hiPSC-derived PSM cells and somitoids. *Genes & development*, 39(17-18), 1025.

Menezes NA, et al. (2025) Cell-context response to germ layer differentiation signals is predetermined by the epigenome in regionalized epiblast populations. *Nature communications*, 16(1), 5000.

Nita A, et al. (2025) FGFR2 residence in primary cilia is necessary for epithelial cell signaling. *The Journal of cell biology*, 224(7).

Singh PK, et al. (2025) Kinome screening identifies integrated stress response kinase EIF2AK1/HRI as a negative regulator of PINK1 mitophagy signaling. *Science advances*, 11(19), eadn2528.