

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

pX330-U6-Chimeric_BB-CBh-hSpCas9

RRID:Addgene_42230

Type: Plasmid

Proper Citation

RRID:Addgene_42230

Plasmid Information

URL: <http://www.addgene.org/42230>

Proper Citation: RRID:Addgene_42230

Insert Name: humanized S. pyogenes Cas9

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23287718](#)

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

Comments: Alternate plasmid name: pSpCas9(BB) (PX330) For plasmid usage, please see the associated publication (Cong et al. Science. 2013, PMID: 23287718), as well as Ran et al. Nat Protoc. 2013, PMID: 24157548. For more information on Zhang Lab CRISPR Plasmids please refer to: <http://www.addgene.org/crispr/zhang/>

Plasmid Name: pX330-U6-Chimeric_BB-CBh-hSpCas9

Record Creation Time: 20220422T222218+0000

Record Last Update: 20260815T081451+0000

Ratings and Alerts

No rating or validation information has been found for pX330-U6-Chimeric_BB-CBh-hSpCas9.

No alerts have been found for pX330-U6-Chimeric_BB-CBh-hSpCas9.

Data and Source Information

Usage and Citation Metrics

We found 1949 mentions in open access literature.

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

Yang X, et al. (2026) Spatial control of genome editing activity enables localized immunotherapy. bioRxiv : the preprint server for biology.

Aljumaah R, et al. (2026) The γ -Tubulin Ring Complex promotes mitotic spindle integrity and acts as a microtubule minus-end cap during mitosis. bioRxiv : the preprint server for biology.

Rodilla-Ramirez C, et al. (2026) T-cell protrusions enable fast, localised initiation of chimeric antigen receptor signalling. The EMBO journal, 45(10), 3337.

Vind AC, et al. (2026) Mechanism of RACK1-dependent ZAK γ activation at stalled and collided ribosomes. Molecular cell, 86(12), 2341.

Kwon J, et al. (2026) Integration of the naive pluripotency gene network with the response to GSK3 inhibition by Tcf7l1-driven enhancer decommissioning. Stem cell reports, 21(7), 102980.

Mao G, et al. (2026) The UFSP2-ODR4 complex spatially confines and dynamically controls UFM1 deconjugation to safeguard neuronal proteostasis. Molecular cell.

Deriglazova IO, et al. (2026) The Chimeric Nuclease SpRYc Exhibits Highly Variable Performance Across Biological Systems. International journal of molecular sciences, 27(1).

He B, et al. (2026) Mitigating xenogeneic barriers to chimerism through Cas13-induced host attenuation. Developmental cell, 61(3), 676.

Fritzsche S, et al. (2026) Strawberry Notch 1 Acts as a Transcriptional Regulator Driving Oncogenic Programs in Liver Carcinogenesis. Advanced science (Weinheim, Baden-Wuerttemberg, Germany), 13(20), e07238.

Zhang Y, et al. (2026) SERPINA3 mediates liver cancer cells escape from chemotherapy-induced neutrophil extracellular trap killing. Cell reports, 45(2), 116956.

Yang M, et al. (2026) Protocol for enhancing Cas9 efficiency and fidelity through structure-guided phosphate-locking loop engineering. STAR protocols, 7(2), 104452.

Roth MO, et al. (2026) Molecular basis for methylation-sensitive editing by Cas9. Nature, 653(8116), 1229.

Ambrosi C, et al. (2026) The H3K36me3 methyltransferase SETD2 contributes to PAF1C interactions with RNA Pol II and is required for neuronal differentiation. The EMBO journal, 45(10), 3430.

Sun M, et al. (2026) ER-derived caveolin-coated vesicles transport newly synthesized cholesterol to the plasma membrane. *The Journal of cell biology*, 225(6).

Corazzi L, et al. (2026) Recurrent DNA break clusters drive replication-stress-induced copy number variants and genome diversification. *Nature communications*, 17(1).

Wright NJ, et al. (2026) Cryo-EM Structures of Brain-Derived G Protein-Coupled Receptors: The First Direct Visualization from Mammalian Brain Tissue. *bioRxiv* : the preprint server for biology.

Hamamichi S, et al. (2026) Rapid immunization and antibody redesign platform discovers broadly neutralizing antibodies against non-immunized SARS-CoV-2 variant. *Molecular therapy : the journal of the American Society of Gene Therapy*, 34(1), 620.

Deol KK, et al. (2026) Vitamin B2 metabolism promotes FSP1 stability to prevent ferroptosis. *Nature structural & molecular biology*, 33(3), 525.

Tollenaere A, et al. (2026) Mechanisms of gene regulation by SRCAP and H2A.Z. *Nature communications*, 17(1).

Li S, et al. (2026) CHK1 is an integral regulator of DNA replication in human cells. *Cell death & disease*, 17(1).