

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 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: 20260725T074659+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 1906 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

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.

Voelkl I, et al. (2026) In vitro approaches to study centriole and cilium function in early mouse embryogenesis. Life science alliance, 9(1).

Jacqmin T, et al. (2026) Maspardin/SPG21 controls lysosome motility and TFEB phosphorylation through RAB7 positioning. The Journal of cell biology, 225(2).

Patil S, et al. (2026) Generation of a Brachyury reporter cell line (BJNhem20 Brachyury (TBXT)-2A-EGFP) in human embryonic stem cells using CRISPR-Cas9 gene targeting. Stem cell research, 91, 103907.

Wang S, et al. (2025) ROS-induced cytosolic release of mitochondrial PGAM5 promotes colorectal cancer progression by interacting with MST3. Nature communications, 16(1), 1406.

Renner DM, et al. (2025) Betacoronaviruses Differentially Activate the Integrated Stress Response to Optimize Viral Replication in Lung-Derived Cell Lines. Viruses, 17(1).

Uzun S, et al. (2025) A new CRISPR-mediated Apc knockout allele leads to pyloric gland adenoma-like gastric polyps in mice with C57BL/6;FVB/N mixed background. Animal models and experimental medicine, 8(5), 922.

Lisi M, et al. (2025) SERTM2: a neuroactive player in the world of micropeptides. EMBO reports, 26(8), 2044.

Ilchuk LA, et al. (2025) Mutations in Filamin C Associated with Both Alleles Do Not Affect the Functioning of Mice Cardiac Muscles. International journal of molecular sciences, 26(4).

Lee SM, et al. (2025) The role of KLF4 in human primordial germ cell development. Open biology, 15(1), 240214.

Russell LG, et al. (2025) Reduction of elevated Gli3 does not alter the progression of autosomal recessive polycystic kidney disease. Physiological reports, 13(2), e70191.

Xing Z, et al. (2025) Genetic Analysis of Choroideremia-Related Rab Escort Proteins. International journal of molecular sciences, 26(8).

Cisneros-Aguirre M, et al. (2025) Distinct functions of PAXX and MRI during chromosomal end joining. iScience, 28(6), 112722.

Vieira GV, et al. (2025) KLK5 and KLK7 drive cervical carcinoma via KLK14-dependent RhoA and NF- κ B pathways. *Translational oncology*, 60, 102488.

Mencacci NE, et al. (2025) Pathogenic variants in BORCS5 Cause a Spectrum of Neurodevelopmental and Neurodegenerative Disorders with Lysosomal Dysfunction. *medRxiv : the preprint server for health sciences*.

Cheng N, et al. (2025) Structural Identification of Major Molecular Determinants for Phosphotyrosine Recognition in Tyrosine Kinases Reveals Tumour Promoting and Suppressive Functions. *bioRxiv : the preprint server for biology*.

Borisyuk A, et al. (2025) Protein Kinase C promotes peroxisome biogenesis and peroxisome-endoplasmic reticulum interaction. *The Journal of cell biology*, 224(9).

Zhang X, et al. (2025) The nucleocytoplasmic translocation of HINT1 regulates the maturation of cell density. *Life science alliance*, 8(10).

He J, et al. (2025) Genome Editing in Mouse Embryo Using the CRISPR/Cas12i3 System. *International journal of molecular sciences*, 26(7).

Shoqafi A, et al. (2025) Transcription Factor p73 Is a Predictor of Platinum Resistance and Promotes Aggressive Epithelial Ovarian Cancers. *International journal of molecular sciences*, 26(7).