Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 18, 2025

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: 20220422T224038+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

Source: Addgene

Usage and Citation Metrics

We found 377 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Mikhova M, et al. (2024) Single-molecule imaging reveals the kinetics of non-homologous end-joining in living cells. bioRxiv : the preprint server for biology.

van Zwam MC, et al. (2024) IntAct: A nondisruptive internal tagging strategy to study the organization and function of actin isoforms. PLoS biology, 22(3), e3002551.

Deng Q, et al. (2024) SMARCA4 is a haploinsufficient B cell lymphoma tumor suppressor that fine-tunes centrocyte cell fate decisions. Cancer cell.

Ingersoll S, et al. (2024) Sparse CBX2 nucleates many Polycomb proteins to promote facultative heterochromatinization of Polycomb target genes. bioRxiv : the preprint server for biology.

Sepulveda GP, et al. (2024) DOT1L stimulates MYC/Mondo transcription factor activity by promoting its degradation cycle on chromatin. bioRxiv : the preprint server for biology.

Stevens CS, et al. (2024) A temperature-sensitive and interferon-silent Sendai virus vector for CRISPR-Cas9 delivery and gene editing in primary human cells. bioRxiv : the preprint server for biology.

Han S, et al. (2024) HIF-1? participates in the regulation of S100A16-HRD1-GSK3?/CK1? pathway in renal hypoxia injury. Cell death & disease, 15(5), 316.

Dolnikova A, et al. (2024) Blockage of BCL-XL overcomes venetoclax resistance across BCL2+ lymphoid malignancies irrespective of BIM status. Blood advances, 8(13), 3532.

Hindul NL, et al. (2024) Endogenous oncogenic KRAS expression increases cell proliferation and motility in near-diploid hTERT RPE-1 cells. The Journal of biological chemistry, 300(6), 107409.

Yamada N, et al. (2024) Inhibition of 7-dehydrocholesterol reductase prevents hepatic ferroptosis under an active state of sterol synthesis. Nature communications, 15(1), 2195.

Trost H, et al. (2024) Functions of PMS2 and MLH1 important for regulation of divergent repeat-mediated deletions. bioRxiv : the preprint server for biology.

Gál Z, et al. (2024) Hyper-recombination in ribosomal DNA is driven by long-range resection-independent RAD51 accumulation. Nature communications, 15(1), 7797.

Cisneros-Aguirre M, et al. (2024) Distinct functions of PAXX and MRI during chromosomal end joining. bioRxiv : the preprint server for biology.

Ma M, et al. (2024) Mycobacterium tuberculosis inhibits METTL14-mediated m6A methylation of Nox2 mRNA and suppresses anti-TB immunity. Cell discovery, 10(1), 36.

Yamaguchi K, et al. (2024) Non-canonical functions of UHRF1 maintain DNA methylation homeostasis in cancer cells. Nature communications, 15(1), 2960.

Stockhammer A, et al. (2024) When less is more - a fast TurboID knock-in approach for high-sensitivity endogenous interactome mapping. Journal of cell science, 137(16).

Takii R, et al. (2024) HSF1 is required for cellular adaptation to daily temperature fluctuations. Scientific reports, 14(1), 21361.

Hanson A, et al. (2024) Electrophysiology of Human iPSC-derived Vascular Smooth Muscle Cells and Cell-autonomous Consequences of Cantú Syndrome Mutations. Function (Oxford, England), 5(5).

Stamm CE, et al. (2024) RECON gene disruption enhances host resistance to enable genome-wide evaluation of intracellular pathogen fitness during infection. mBio, 15(8), e0133224.

Stevens CS, et al. (2024) A temperature-sensitive and less immunogenic Sendai virus for efficient gene editing. Journal of virology, 98(12), e0083224.