Resource Summary Report

Generated by RRID on Aug 22, 2026

p3s-Cas9HC

RRID:Addgene_43945
Type: Plasmid

Proper Citation

RRID:Addgene_43945

Plasmid Information

URL: http://www.addgene.org/43945

Proper Citation: RRID:Addgene_43945

Insert Name: Cas9

Organism: S. pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: PMID:23360966

Vector Backbone Description: Backbone Marker:invitrogen; Backbone Size:3200; Vector Backbone:pCDNA3.1; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: For more information on Kim Lab CRISPR Plasmids please refer to: http://www.addgene.org/crispr/Kim/

Plasmid Name: p3s-Cas9HC

Record Creation Time: 20220422T222227+0000

Record Last Update: 20260815T081511+0000

Ratings and Alerts

No rating or validation information has been found for p3s-Cas9HC.

No alerts have been found for p3s-Cas9HC.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Lee S, et al. (2025) Combining Multiplexed CRISPR/Cas9-Nickase and PARP Inhibitors Efficiently and Precisely Targets Cancer Cells. Cancer research, 85(15), 2890.

Kozareva V, et al. (2025) Integrative multiomic analysis links TDP-43-driven splicing defects to cascading proteomic disruption of ALS/FTD pathways. bioRxiv : the preprint server for biology.

Wang X, et al. (2024) Allogeneic CD19-targeted CAR-T therapy in patients with severe myositis and systemic sclerosis. Cell, 187(18), 4890.

Han AR, et al. (2024) Highly efficient genome editing via CRISPR-Cas9 ribonucleoprotein (RNP) delivery in mesenchymal stem cells. BMB reports, 57(1), 60.

Kwon J, et al. (2023) Extru-seq: a method for predicting genome-wide Cas9 off-target sites with advantages of both cell-based and in vitro approaches. Genome biology, 24(1), 4.

Akter M, et al. (2023) Generation of two induced pluripotent stem cell lines with heterozygous and homozygous amyotrophic lateral sclerosis-causing mutation R521G (c.1561C > G) in FUS gene. Stem cell research, 69, 103078.

Akter M, et al. (2023) Generation of two induced pluripotent stem cell lines with heterozygous and homozygous amyotrophic lateral sclerosis-causing mutation P525L (c.1574C > T) in FUS gene. Stem cell research, 69, 103103.

Kwon T, et al. (2022) Precision targeting tumor cells using cancer-specific InDel mutations with CRISPR-Cas9. Proceedings of the National Academy of Sciences of the United States of America, 119(9).

Pardieck J, et al. (2022) A transgenic mouse embryonic stem cell line for puromycin selection of V0V interneurons from heterogenous induced cultures. Stem cell research & therapy, 13(1), 131.

Hathi D, et al. (2022) Ablation of VLA4 in multiple myeloma cells redirects tumor spread and prolongs survival. Scientific reports, 12(1), 30.

Chen YH, et al. (2021) SARM1 is required in human derived sensory neurons for injury-induced and neurotoxic axon degeneration. Experimental neurology, 339, 113636.

Akter M, et al. (2021) Generation of two induced pluripotent stem cell lines with heterozygous and homozygous GAG deletion in TOR1A gene from a healthy hiPSC line. Stem cell research, 56, 102536.

Gartrell J, et al. (2021) SLFN11 is Widely Expressed in Pediatric Sarcoma and Induces Variable Sensitization to Replicative Stress Caused By DNA-Damaging Agents. Molecular cancer therapeutics, 20(11), 2151.

Kim EY, et al. (2021) AWP1 Restrains the Aggressive Behavior of Breast Cancer Cells Induced by TNF-?. Frontiers in oncology, 11, 631469.

Shin HR, et al. (2021) Gene Manipulation Using Fusion Guide RNAs for Cas9 and Cas12a. Methods in molecular biology (Clifton, N.J.), 2162, 185.

Freibaum BD, et al. (2021) High-fidelity reconstitution of stress granules and nucleoli in mammalian cellular lysate. The Journal of cell biology, 220(3).

Howden SE, et al. (2021) Plasticity of distal nephron epithelia from human kidney organoids enables the induction of ureteric tip and stalk. Cell stem cell, 28(4), 671.

Kang SH, et al. (2020) Prediction-based highly sensitive CRISPR off-target validation using target-specific DNA enrichment. Nature communications, 11(1), 3596.

Munroe M, et al. (2020) Telomere Dysfunction Activates p53 and Represses HNF4? Expression Leading to Impaired Human Hepatocyte Development and Function. Hepatology (Baltimore, Md.), 72(4), 1412.

Zeineldin M, et al. (2020) MYCN amplification and ATRX mutations are incompatible in neuroblastoma. Nature communications, 11(1), 913.