

Resource Summary Report

Generated by [RRID](#) on Aug 21, 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

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) Extraseq: 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- α . *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 α 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.