

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

Puro-Cas9 donor

RRID:Addgene_58409

Type: Plasmid

Proper Citation

RRID:Addgene_58409

Plasmid Information

URL: <http://www.addgene.org/58409>

Proper Citation: RRID:Addgene_58409

Insert Name: hSpCas9

Organism: Streptococcus pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24931489](#)

Vector Backbone Description: Vector Backbone:N/A; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: Puro-Cas9 donor

Record Creation Time: 20220422T222338+0000

Record Last Update: 20260815T081716+0000

Ratings and Alerts

No rating or validation information has been found for Puro-Cas9 donor.

No alerts have been found for Puro-Cas9 donor.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Pulecio J, et al. (2026) Functional chromatin signatures premark future lineage-specific enhancers. *Cell genomics*, 6(5), 101189.

Neve B, et al. (2026) Long non-coding RNA UCA1 modulates SMARCA2-containing SWI/SNF chromatin remodeling complexes in human colorectal cancer. *iScience*, 29(1), 114283.

Viushkov VS, et al. (2024) A Comparison of Two Versions of the CRISPR-Sirius System for the Live-Cell Visualization of the Borders of Topologically Associating Domains. *Cells*, 13(17).

Pulecio J, et al. (2023) Discovery of Competent Chromatin Regions in Human Embryonic Stem Cells. *bioRxiv : the preprint server for biology*.

Tidball AM, et al. (2023) Genome-wide CRISPRi Screen in Human iNeurons to Identify Novel Focal Cortical Dysplasia Genes. *bioRxiv : the preprint server for biology*.

Jurlina SL, et al. (2022) A Tet-Inducible CRISPR Platform for High-Fidelity Editing of Human Pluripotent Stem Cells. *Genes*, 13(12).

Zheng D, et al. (2022) Engineering of human mesenchymal stem cells resistant to multiple natural killer subtypes. *International journal of biological sciences*, 18(1), 426.

He Z, et al. (2022) Generation of a human extended pluripotent stem cell line (SKLRMe002-A) carrying a doxycycline-inducible Cas9 expression cassette. *Stem cell research*, 62, 102816.

Parent AV, et al. (2021) Selective deletion of human leukocyte antigens protects stem cell-derived islets from immune rejection. *Cell reports*, 36(7), 109538.

Benito-Kwiecinski S, et al. (2021) An early cell shape transition drives evolutionary expansion of the human forebrain. *Cell*, 184(8), 2084.

Russell R, et al. (2020) Loss of the transcription factor MAFB limits β -cell derivation from human PSCs. *Nature communications*, 11(1), 2742.

Ustyantseva EI, et al. (2019) A Platform for Studying Neurodegeneration Mechanisms Using Genetically Encoded Biosensors. *Biochemistry. Biokhimiia*, 84(3), 299.

Wang X, et al. (2019) Tau interactome analyses in CRISPR-Cas9 engineered neuronal cells reveal ATPase-dependent binding of wild-type but not P301L Tau to non-muscle myosins. *Scientific reports*, 9(1), 16238.

Wu M, et al. (2018) Conditional gene knockout and reconstitution in human iPSCs with an inducible Cas9 system. *Stem cell research*, 29, 6.

Ferreccio A, et al. (2018) Inducible CRISPR genome editing platform in naive human embryonic stem cells reveals JARID2 function in self-renewal. *Cell cycle (Georgetown*,

Tex.), 17(5), 535.

Castañó J, et al. (2017) Generation and characterization of a human iPSC cell line expressing inducible Cas9 in the "safe harbor" AAVS1 locus. Stem cell research, 21, 137.

Chang R, et al. (2017) Nanoporous Immunoprotective Device for Stem-Cell-Derived β -Cell Replacement Therapy. ACS nano, 11(8), 7747.

Faleo G, et al. (2017) Mitigating Ischemic Injury of Stem Cell-Derived Insulin-Producing Cells after Transplant. Stem cell reports, 9(3), 807.