

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pX459V2.0-HypaCas9

RRID:Addgene_108294

Type: Plasmid

Proper Citation

RRID:Addgene_108294

Plasmid Information

URL: <http://www.addgene.org/108294>

Proper Citation: RRID:Addgene_108294

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29672770](#)

Vector Backbone Description: Backbone Marker:Dr. Feng Zhang's Lab; Backbone Size:9175; Vector Backbone:pX459; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pX459V2.0-HypaCas9

Record Creation Time: 20220422T221525+0000

Record Last Update: 20260808T080407+0000

Ratings and Alerts

No rating or validation information has been found for pX459V2.0-HypaCas9.

No alerts have been found for pX459V2.0-HypaCas9.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Brancheriau CR, et al. (2026) Importin- β 1 functions as a chromatin sensor to position the contractile ring for cytokinesis. *Current biology : CB*, 36(12), 3005.

Yang XJ, et al. (2025) P3a site-specific and cassette mutagenesis for seamless protein, RNA and plasmid engineering. *Genes & cancer*, 16, 34.

Takahashi G, et al. (2025) High-throughput robotic isolation of human iPS cell clones reveals frequent homozygous induction of identical genetic manipulations by CRISPR-Cas9. *Stem cell research & therapy*, 16(1), 295.

Fan M, et al. (2025) Generation of a PLIN2-GFP2-P2A-Puro human induced pluripotent stem cell line (SEUi001-A) via CRISPR/Cas9-mediated gene editing technology. *Stem cell research*, 90, 103896.

Merta H, et al. (2025) Spatial proteomics of ER tubules reveals CLMN, an ER-actin tether at focal adhesions that promotes cell migration. *Cell reports*, 44(4), 115502.

Varela-Castillo P, et al. (2025) Highly Efficient Site-Specific and Cassette Mutagenesis of Plasmids Harboring GC-Rich Sequences. *Cells*, 14(24).

Paul B, et al. (2025) Paraoxonase-like APMAP maintains endoplasmic-reticulum-associated lipid and lipoprotein homeostasis. *Developmental cell*, 60(17), 2313.

Paul B, et al. (2024) Paraoxonase-like APMAP maintains endoplasmic reticulum-associated lipid and lipoprotein homeostasis. *bioRxiv : the preprint server for biology*.

Husser MC, et al. (2022) Cytokinetic diversity in mammalian cells is revealed by the characterization of endogenous anillin, Ect2 and RhoA. *Open biology*, 12(11), 220247.

Deliz-Aguirre R, et al. (2021) MyD88 oligomer size functions as a physical threshold to trigger IL1R Myddosome signaling. *The Journal of cell biology*, 220(7).

La Fleur L, et al. (2021) Targeting MARCO and IL37R on Immunosuppressive Macrophages in Lung Cancer Blocks Regulatory T Cells and Supports Cytotoxic Lymphocyte Function. *Cancer research*, 81(4), 956.