

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pcDNA3.1(+) CircRNA Mini Vector

RRID:Addgene_60648

Type: Plasmid

Proper Citation

RRID:Addgene_60648

Plasmid Information

URL: <http://www.addgene.org/60648>

Proper Citation: RRID:Addgene_60648

Insert Name: ZKSCAN1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25281217](#)

Vector Backbone Description: Backbone Marker:Life Technologies; Backbone Size:5428; Vector Backbone:pcDNA3.1(+); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: A 51-nt artificial exon composed of restriction enzyme sites was inserted between the minimal introns that support ZKSCAN1 circular RNA production (as described in Figure 7A of Liang and Wilusz (2014) Genes Dev).

Plasmid Name: pcDNA3.1(+) CircRNA Mini Vector

Record Creation Time: 20220422T222348+0000

Record Last Update: 20260725T074927+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1(+) CircRNA Mini Vector.

No alerts have been found for pcDNA3.1(+) CircRNA Mini Vector.

Data and Source Information

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Mauer C, et al. (2025) Backsplicing of the HIV-1 transcript generates multiple circRNAs to promote viral replication. *Npj viruses*, 3(1), 21.

Lin CC, et al. (2025) Circular RNA hsa_circ_0099188 Regulates Inducible Nitric Oxide Synthase and Chemokine Transcription in Macrophages by Targeting the hsa-miR-381-3p/PPP3CA and hsa-miR-381-3p/KLF4 Pathways in Response to 4,4'-Methylene Diphenyl Diisocyanate-Glutathione Conjugate exposure. *Toxicological sciences : an official journal of the Society of Toxicology*.

Fang X, et al. (2024) Circular RNA-circPan3 attenuates cardiac hypertrophy via miR-320-3p/HSP20 axis. *Cellular & molecular biology letters*, 29(1), 3.

Yoshitomi R, et al. (2024) Regulatory effect of Epigallocatechin-3-O-gallate on circular RNA expression in mouse liver. *The Journal of nutritional biochemistry*, 124, 109506.

Smukowski SN, et al. (2024) mRNA and circRNA mislocalization to synapses are key features of Alzheimer's disease. *PLoS genetics*, 20(7), e1011359.

Wei W, et al. (2024) EIF4A3-mediated biogenesis of circSTX6 promotes bladder cancer metastasis and cisplatin resistance. *Journal of experimental & clinical cancer research : CR*, 43(1), 2.

Unti MJ, et al. (2024) Highly efficient cellular expression of circular mRNA enables prolonged protein expression. *Cell chemical biology*, 31(1), 163.

Unti MJ, et al. (2023) Highly efficient cellular expression of circular mRNA enables prolonged protein expression. *bioRxiv : the preprint server for biology*.

Peng W, et al. (2023) Silencing of circCRIM1 Drives IGF2BP1-Mediated NSCLC Immune Evasion. *Cells*, 12(2).

Stringer BW, et al. (2023) Versatile toolkit for highly-efficient and scarless overexpression of circular RNAs. *bioRxiv : the preprint server for biology*.

Zhu Y, et al. (2022) Circular RNA, hsa_circRNA_102049, promotes colorectal cancer cell migration and invasion via binding and suppressing miRNA-455-3p. *Experimental and therapeutic medicine*, 23(3), 244.

Wong CH, et al. (2022) CircRTN4 promotes pancreatic cancer progression through a novel CircRNA-miRNA-lncRNA pathway and stabilizing epithelial-mesenchymal transition protein. *Molecular cancer*, 21(1), 10.

Siqueira E, et al. (2022) Analysis of the circRNA and T-UCR populations identifies convergent pathways in mouse and human models of Rett syndrome. *Molecular therapy. Nucleic acids*, 27, 621.

Gosavi D, et al. (2022) Insights into the secondary and tertiary structure of the Bovine Viral Diarrhea Virus Internal Ribosome Entry Site. *RNA biology*, 19(1), 496.

Hong X, et al. (2021) Circular RNA circFADS2 is overexpressed in sepsis and suppresses LPS-induced lung cell apoptosis by inhibiting the maturation of miR-15a-5p. *BMC immunology*, 22(1), 29.

Zhang H, et al. (2021) CircLIFR synergizes with MSH2 to attenuate chemoresistance via MutS α /ATM-p73 axis in bladder cancer. *Molecular cancer*, 20(1), 70.

Zhang Y, et al. (2021) Hsa_circ_0076305 induces migration-proliferation dichotomy in gastric cancer. *Oncology letters*, 21(3), 220.

Karedath T, et al. (2021) Regulation of Circular RNA CircNFATC3 in Cancer Cells Alters Proliferation, Migration, and Oxidative Phosphorylation. *Frontiers in cell and developmental biology*, 9, 595156.

Mei X, et al. (2021) CircSOD2: A Novel Regulator for Smooth Muscle Proliferation and Neointima Formation. *Arteriosclerosis, thrombosis, and vascular biology*, 41(12), 2961.

Lv T, et al. (2020) Circ-EPB41L5 regulates the host gene EPB41L5 via sponging miR-19a to repress glioblastoma tumorigenesis. *Aging*, 12(1), 318.