

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

SpCas9_sgRNA_expression_in_pBluescript

RRID:Addgene_122089

Type: Plasmid

Proper Citation

RRID:Addgene_122089

Plasmid Information

URL: <http://www.addgene.org/122089>

Proper Citation: RRID:Addgene_122089

Insert Name: SpCas9 tracr

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30451839](https://pubmed.ncbi.nlm.nih.gov/30451839/)

Vector Backbone Description: Backbone Size:4280; Vector Backbone:pBS; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: To design oligos for cloning: 5'-ACCG-Spacer_Sequence-3' and 5'-AAAC-Rev_Comp_Spacer-3' For sgRNA cloning: Digest with BfuAI and ligate in phosphorylated and annealed oligos

Plasmid Name: SpCas9_sgRNA_expression_in_pBluescript

Record Creation Time: 20220422T221639+0000

Record Last Update: 20260815T080341+0000

Ratings and Alerts

No rating or validation information has been found for SpCas9_sgRNA_expression_in_pBluescript.

No alerts have been found for SpCas9_sgRNA_expression_in_pBluescript.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Aliev T, et al. (2026) The Disruption of the HIV-1 Gag Start Codon via Editing Using MmCas12m-Dual Base Editor-Loaded Virus-like Particles. Current issues in molecular biology, 48(3).

Cosiquien RJS, et al. (2025) Detecting Methylation Changes Induced by Prime Editing. Genes, 16(7).

Bamidele N, et al. (2024) Domain-inlaid Nme2Cas9 adenine base editors with improved activity and targeting scope. Nature communications, 15(1), 1458.

Liang SQ, et al. (2023) Genome-wide profiling of prime editor off-target sites in vitro and in vivo using PE-tag. Nature methods, 20(6), 898.

Ponnienselvan K, et al. (2023) Reducing the inherent auto-inhibitory interaction within the pegRNA enhances prime editing efficiency. Nucleic acids research, 51(13), 6966.