

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pAc-y1sgRNA-Cas9

RRID:Addgene_49331

Type: Plasmid

Proper Citation

RRID:Addgene_49331

Plasmid Information

URL: <http://www.addgene.org/49331>

Proper Citation: RRID:Addgene_49331

Insert Name: Cas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24326186](#)

Vector Backbone Description: Backbone Marker:Dr. James Sutherland ; Backbone Size:6600; Vector Backbone:pAc-STABLE1-Puro; Vector Types:Insect Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: gRNA target sequence GGTTTGGACACTGGAACCG

Plasmid Name: pAc-y1sgRNA-Cas9

Relevant Mutation: Human codon optimised

Record Creation Time: 20220422T222254+0000

Record Last Update: 20260815T081558+0000

Ratings and Alerts

No rating or validation information has been found for pAc-y1sgRNA-Cas9.

No alerts have been found for pAc-y1sgRNA-Cas9.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Liang M, et al. (2023) eIF4EHP promotes Ldh mRNA translation in and fruit fly adaptation to hypoxia. EMBO reports, e56460.

Liu K, et al. (2019) PI31 Is an Adaptor Protein for Proteasome Transport in Axons and Required for Synaptic Development. Developmental cell, 50(4), 509.

de Toeuf B, et al. (2018) ARE-mediated decay controls gene expression and cellular metabolism upon oxygen variations. Scientific reports, 8(1), 5211.

Bassett AR, et al. (2014) Mutagenesis and homologous recombination in Drosophila cell lines using CRISPR/Cas9. Biology open, 3(1), 42.