

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pX330-Flag-HiFi SpCas9 (without sgRNA; with silent mutations)

RRID:Addgene_126778

Type: Plasmid

Proper Citation

RRID:Addgene_126778

Plasmid Information

URL: <http://www.addgene.org/126778>

Proper Citation: RRID:Addgene_126778

Insert Name: HiFi SpCas9

Organism: *S. pyogenes*

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32144253](#)

Vector Backbone Description: Vector Backbone:pX330-like (without U6-sgRNA coding sequence); Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: pCbh-3xFLAG-NLS-HiFi SpCas9-NLS (without U6-sgRNA coding sequence, with silent mutations). The lack of sgRNA expression cassette allows for easy testing of various SpCas9 variants with the same sgRNA expressed from a separate plasmid (e.g. pmCherry_gRNA, Addgene# #80457). For detailed information and plasmid usage, please see the associated publication.

Plasmid Name: pX330-Flag-HiFi SpCas9 (without sgRNA; with silent mutations)

Relevant Mutation: R691A

Record Creation Time: 20220422T221705+0000

Record Last Update: 20260725T073735+0000

Ratings and Alerts

No rating or validation information has been found for pX330-Flag-HiFi SpCas9 (without sgRNA; with silent mutations).

No alerts have been found for pX330-Flag-HiFi SpCas9 (without sgRNA; with silent mutations).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Okada K, et al. (2022) Key sequence features of CRISPR RNA for dual-guide CRISPR-Cas9 ribonucleoprotein complexes assembled with wild-type or HiFi Cas9. Nucleic acids research, 50(5), 2854.