Resource Summary Report

Generated by RRID on Sep 6, 2026

SpCas9-HF1-plus

RRID:Addgene_126768
Type: Plasmid

Proper Citation

RRID:Addgene_126768

Plasmid Information

URL: http://www.addgene.org/126768

Proper Citation: RRID:Addgene_126768

Insert Name: SpCas9-HF1-plus

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-SpCas9-HF1-plus-NLS (without U6-sgRNA coding sequence, with silent mutations). SpCas9-HF1-plus cleaves both 20nt and 5'-extended 21nt spacer containing sgRNAs. Shows almost the same fidelity and target selectivity as its parental increased fidelity variant, SpCas9-HF1. 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: SpCas9-HF1-plus

Relevant Mutation: N497A; Q695A; Q926A; amino acids 1005-1013 replaced with two glycine

Record Creation Time: 20220422T221705+0000

Record Last Update: 20260905T074650+0000

Ratings and Alerts

No rating or validation information has been found for SpCas9-HF1-plus.

No alerts have been found for SpCas9-HF1-plus.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We have not found any literature mentions for this resource.