

Resource Summary Report

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

pCAG-T3-eSpCAS9-NG-pA

RRID:Addgene_131466

Type: Plasmid

Proper Citation

RRID:Addgene_131466

Plasmid Information

URL: <http://www.addgene.org/131466>

Proper Citation: RRID:Addgene_131466

Insert Name: Codon optimized eSpCas9-NG

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31501500](#)

Vector Backbone Description: Vector Backbone:pCAGGS; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: This plasmid vector was constructed by mutation PCR of pCAG-T3-hCAS9-pA plasmid vector (Addgene plasmid 48625) according to the amino acid sequences of SpCas9-NG shown in previous study (Nishimasu H et al., Engineered CRISPR-Cas9 nuclease with expanded targeting space. Science, 2018) with high-fidelity eSp variant shown in previous study (Slaymaker IM et al, Rationally engineered Cas9 nucleases with improved specificity. Science, 2016).

Plasmid Name: pCAG-T3-eSpCAS9-NG-pA

Record Creation Time: 20220422T221729+0000

Record Last Update: 20260725T073817+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-T3-eSpCAS9-NG-pA.

No alerts have been found for pCAG-T3-eSpCAS9-NG-pA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.