

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

pCAG-enAsCas12a-HF1(E174R/N282A/S542R/K548R)-NLS(nuc)-3xHA (AAS1815)

RRID:Addgene_107942

Type: Plasmid

Proper Citation

RRID:Addgene_107942

Plasmid Information

URL: <http://www.addgene.org/107942>

Proper Citation: RRID:Addgene_107942

Insert Name: human codon optimized enAsCas12a-HF1 (E174R/N282A/S542R/K548R)

Organism: Acidaminococcus sp. BV3L6

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30742127](#)

Vector Backbone Description: Backbone Marker:Connie Cepko lab (Addgene plasmid #11179); Vector Backbone:pCAG-CFP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAG-enAsCas12a-HF1(E174R/N282A/S542R/K548R)-NLS(nuc)-3xHA (AAS1815)

Relevant Mutation: E174R, S542R, K548R, and N282A

Record Creation Time: 20220422T221524+0000

Record Last Update: 20260808T080403+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-enAsCas12a-HF1(E174R/N282A/S542R/K548R)-NLS(nuc)-3xHA (AAS1815).

No alerts have been found for pCAG-enAsCas12a-HF1(E174R/N282A/S542R/K548R)-NLS(nuc)-3xHA (AAS1815).

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 [SPARC SAWG](#) .

Wang L, et al. (2024) Mono-UFMylation promotes misfolding-associated secretion of ??-synuclein. Science advances, 10(11), eadk2542.

Li S, et al. (2024) HiHo-AID2: boosting homozygous knock-in efficiency enables robust generation of human auxin-inducible degron cells. Genome biology, 25(1), 58.

Sato Y, et al. (2024) Micronucleus is not a potent inducer of the cGAS/STING pathway. Life science alliance, 7(4).

Faber GP, et al. (2023) Utilizing flow cytometry sorting signal width to enrich for cells positive to endogenous gene integration of fluorescent proteins. bioRxiv : the preprint server for biology.