

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pET-28b-T7-hAsCas12a-enRVR(E174R/S542R/K548V/N552R)-NLS(nucleoplasmin)-6xHis (AAS1931)

RRID:Addgene_114075

Type: Plasmid

Proper Citation

RRID:Addgene_114075

Plasmid Information

URL: <http://www.addgene.org/114075>

Proper Citation: RRID:Addgene_114075

Insert Name: human codon optimized AsCas12a-enRVR (E174R/S542R/K548V/N552R) with C-terminal NLS and His-tag

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:30742127](#)

Vector Backbone Description: Backbone Marker:Schier Lab (Addgene plasmid # 47327); Vector Backbone:pET-28b-Cas9-His; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pET-28b-T7-hAsCas12a-enRVR(E174R/S542R/K548V/N552R)-NLS(nucleoplasmin)-6xHis (AAS1931)

Relevant Mutation: E174R, S542R, K548V and N552R

Record Creation Time: 20220422T221557+0000

Record Last Update: 20260725T073535+0000

Ratings and Alerts

No rating or validation information has been found for pET-28b-T7-hAsCas12a-enRVR(E174R/S542R/K548V/N552R)-NLS(nucleoplasmin)-6xHis (AAS1931).

No alerts have been found for pET-28b-T7-hAsCas12a-enRVR(E174R/S542R/K548V/N552R)-NLS(nucleoplasmin)-6xHis (AAS1931).

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](#) .

Ooi KH, et al. (2021) An engineered CRISPR-Cas12a variant and DNA-RNA hybrid guides enable robust and rapid COVID-19 testing. Nature communications, 12(1), 1739.