

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pLEX307-SARS-CoV-2-3CL-C145A

RRID:Addgene_160279

Type: Plasmid

Proper Citation

RRID:Addgene_160279

Plasmid Information

URL: <http://www.addgene.org/160279>

Proper Citation: RRID:Addgene_160279

Insert Name: 3CL Protease

Organism: SARS-CoV-2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33910954](#)

Vector Backbone Description: Vector Backbone:pLEX_307; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: This plasmid is stored and distributed in NEB Stable. It can also be used to transform NEB 10Beta. The authors have noticed that there are high rates of recombination in these generated vectors. All users are advised to sequence the vectors and run them on a gel to ensure they show the expected full length insert and plasmid size. In cases where recombination has occurred it is typically between the viral LTR elements in the vector although recombination between the gateway cloning sites has also been observed. Please visit <https://doi.org/10.1101/2020.08.29.272864> for bioRxiv preprint.

Plasmid Name: pLEX307-SARS-CoV-2-3CL-C145A

Relevant Mutation: C145A

Record Creation Time: 20220422T221907+0000

Record Last Update: 20260815T080837+0000

Ratings and Alerts

No rating or validation information has been found for pLEX307-SARS-CoV-2-3CL-C145A.

No alerts have been found for pLEX307-SARS-CoV-2-3CL-C145A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.