

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pLEX307-SARS-CoV-2-3CL

RRID:Addgene_160278

Type: Plasmid

Proper Citation

RRID:Addgene_160278

Plasmid Information

URL: <http://www.addgene.org/160278>

Proper Citation: RRID:Addgene_160278

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

Record Creation Time: 20220422T221907+0000

Record Last Update: 20260815T080840+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Martinusen SG, et al. (2024) Modular and integrative activity reporters enhance biochemical studies in the yeast ER. Protein engineering, design & selection : PEDS, 37.

Kato Y, et al. (2023) Covalent adduction of serotonin-derived quinones to the SARS-CoV-2 main protease expressed in a cultured cell. Free radical biology & medicine, 206, 74.

Plan??s R, et al. (2022) Human NLRP1 is a sensor of pathogenic coronavirus 3CL proteases in lung epithelial cells. Molecular cell, 82(13), 2385.