

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

pDONR223 SARS-CoV-2 NSP5

RRID:Addgene_141259

Type: Plasmid

Proper Citation

RRID:Addgene_141259

Plasmid Information

URL: <http://www.addgene.org/141259>

Proper Citation: RRID:Addgene_141259

Insert Name: NSP5

Organism: SARS-CoV-2 isolate Wuhan-Hu-1

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:32763951](#)

Vector Backbone Description: Backbone Marker:Rual et al, Genome Res. 14:2128-2135, 2004.; Backbone Size:5005; Vector Backbone:pDONR223; Vector Types:Gateway Cloning; Bacterial Resistance:Spectinomycin

Plasmid Name: pDONR223 SARS-CoV-2 NSP5

Relevant Mutation: Many synonymous changes due to codon optimization

Record Creation Time: 20220422T221814+0000

Record Last Update: 20260725T073939+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223 SARS-CoV-2 NSP5.

No alerts have been found for pDONR223 SARS-CoV-2 NSP5.

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 [NIF](#) .

Gerber PP, et al. (2022) A protease-activatable luminescent biosensor and reporter cell line for authentic SARS-CoV-2 infection. PLoS pathogens, 18(2), e1010265.

Mathieu C, et al. (2021) A Bioluminescent 3CLPro Activity Assay to Monitor SARS-CoV-2 Replication and Identify Inhibitors. Viruses, 13(9).

Banerjee AK, et al. (2020) SARS-CoV-2 Disrupts Splicing, Translation, and Protein Trafficking to Suppress Host Defenses. Cell, 183(5), 1325.