

Resource Summary Report

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

pDONR207 SARS-CoV-2 NSP3

RRID:Addgene_141257

Type: Plasmid

Proper Citation

RRID:Addgene_141257

Plasmid Information

URL: <http://www.addgene.org/141257>

Proper Citation: RRID:Addgene_141257

Insert Name: NSP3

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

Bacterial Resistance: Gentamicin

Defining Citation: [PMID:32763951](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5585; Vector Backbone:pDONR207; Vector Types:Gateway Cloning; Bacterial Resistance:Gentamicin

Plasmid Name: pDONR207 SARS-CoV-2 NSP3

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 pDONR207 SARS-CoV-2 NSP3.

No alerts have been found for pDONR207 SARS-CoV-2 NSP3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Pogany J, et al. (2025) Screening bacterial effectors and human virus proteins in yeast to identify host factors driving tombusvirus RNA recombination: a role for autophagy and membrane phospholipid content. *Journal of virology*, 99(6), e0166124.

Broderick K, et al. (2025) Human protein interaction networks of ancestral and variant SARS-CoV-2 in organ-specific cells and bodily fluids. *Nature communications*, 16(1), 5784.

Zhu J, et al. (2024) ISGylation of the SARS-CoV-2 N protein by HERC5 impedes N oligomerization and thereby viral RNA synthesis. *bioRxiv : the preprint server for biology*.

Hartmann JA, et al. (2024) Evasion of NKG2D-mediated cytotoxic immunity by sarbecoviruses. *Cell*, 187(10), 2393.

Sokolinskaya EL, et al. (2024) Natural-Target-Mimicking Translocation-Based Fluorescent Sensor for Detection of SARS-CoV-2 PLpro Protease Activity and Virus Infection in Living Cells. *International journal of molecular sciences*, 25(12).

Sokolinskaya EL, et al. (2022) Genetically Encoded Fluorescent Sensors for SARS-CoV-2 Papain-like Protease PLpro. *International journal of molecular sciences*, 23(14).

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.

Ricciardi S, et al. (2022) The role of NSP6 in the biogenesis of the SARS-CoV-2 replication organelle. *Nature*, 606(7915), 761.

Swaim CD, et al. (2021) 6-Thioguanine blocks SARS-CoV-2 replication by inhibition of PLpro. *iScience*, 24(10), 103213.

Liu G, et al. (2021) ISG15-dependent activation of the sensor MDA5 is antagonized by the SARS-CoV-2 papain-like protease to evade host innate immunity. *Nature microbiology*, 6(4), 467.

Swaim CD, et al. (2020) 6-Thioguanine blocks SARS-CoV-2 replication by inhibition of PLpro protease activities. *bioRxiv : the preprint server for biology*.

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