

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pLVX-EF1alpha-SARS-CoV-2-nsp4-2xStrep-IRES-Puro

RRID:Addgene_141369

Type: Plasmid

Proper Citation

RRID:Addgene_141369

Plasmid Information

URL: <http://www.addgene.org/141369>

Proper Citation: RRID:Addgene_141369

Insert Name: SARS-CoV-2-nsp4

Organism: SARS-CoV-2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32353859](#)

Vector Backbone Description: Backbone Marker:Takara Bio; Backbone Size:8825; Vector Backbone:pLVX-EF1alpha-IRES-Puro; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Please visit <https://www.biorxiv.org/content/10.1101/2020.03.22.002386v3> for bioRxiv preprint.

Plasmid Name: pLVX-EF1alpha-SARS-CoV-2-nsp4-2xStrep-IRES-Puro

Relevant Mutation: human codon optimized

Record Creation Time: 20220422T221815+0000

Record Last Update: 20260815T080648+0000

Ratings and Alerts

No rating or validation information has been found for pLVX-EF1alpha-SARS-CoV-2-nsp4-2xStrep-IRES-Puro.

No alerts have been found for pLVX-EF1alpha-SARS-CoV-2-nsp4-2xStrep-IRES-Puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

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.

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

Laprise F, et al. (2024) SARS-CoV-2 Accessory Protein ORF8 Targets the Dimeric IgA Receptor pIgR. *Viruses*, 16(7).

Zhou Y, et al. (2023) A comprehensive SARS-CoV-2-human protein-protein interactome reveals COVID-19 pathobiology and potential host therapeutic targets. *Nature biotechnology*, 41(1), 128.

Lee JD, et al. (2023) Differences in syncytia formation by SARS-CoV-2 variants modify host chromatin accessibility and cellular senescence via TP53. *Cell reports*, 42(12), 113478.

Wu X, et al. (2023) Secreted ORF8 induces monocytic pro-inflammatory cytokines through NLRP3 pathways in patients with severe COVID-19. *iScience*, 26(6), 106929.

Sansico F, et al. (2021) COVID-19 Specific Immune Markers Revealed by Single Cell Phenotypic Profiling. *Biomedicines*, 9(12).

Rauti R, et al. (2021) Effect of SARS-CoV-2 proteins on vascular permeability. *eLife*, 10.

Vazquez C, et al. (2021) SARS-CoV-2 viral proteins NSP1 and NSP13 inhibit interferon activation through distinct mechanisms. *PLoS one*, 16(6), e0253089.