Resource Summary Report

Generated by dkNET on Aug 20, 2026

pLVX-EF1alpha-SARS-CoV-2-orf6-2xStrep-IRES-Puro

RRID:Addgene_141387
Type: Plasmid

Proper Citation

RRID:Addgene_141387

Plasmid Information

URL: http://www.addgene.org/141387

Proper Citation: RRID:Addgene_141387

Insert Name: SARS-CoV-2-orf6

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-orf6-2xStrep-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-orf6-2xStrep-IRES-Puro.

No alerts have been found for pLVX-EF1alpha-SARS-CoV-2-orf6-2xStrep-IRES-Puro.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Goodson BA, et al. (2026) SARS-CoV-2 ORF3a blocks lysosomal cholesterol egress by disrupting VPS39-regulated NPC2 trafficking and BMP metabolism. Cell reports, 45(6), 117544.

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.

Hoffmann PC, et al. (2024) Nuclear pore permeability and fluid flow are modulated by its dilation state. Molecular cell.

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

Krachmarova E, et al. (2024) Interferon-?? as a Potential Inhibitor of SARS-CoV-2 ORF6 Accessory Protein. International journal of molecular sciences, 25(4).

Wang Z, et al. (2023) Anthracyclines inhibit SARS-CoV-2 infection. Virus research, 334, 199164.

Krachmarova E, et al. (2023) Insights into the SARS-CoV-2 ORF6 Mechanism of Action. International journal of molecular sciences, 24(14).

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.

Lee MJ, et al. (2022) SARS-CoV-2 escapes direct NK cell killing through Nsp1-mediated downregulation of ligands for NKG2D. Cell reports, 41(13), 111892.

Hall R, et al. (2022) SARS-CoV-2 ORF6 disrupts innate immune signalling by inhibiting cellular mRNA export. PLoS pathogens, 18(8), e1010349.

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

Yoo JS, et al. (2021) SARS-CoV-2 inhibits induction of the MHC class I pathway by targeting the STAT1-IRF1-NLRC5 axis. Nature communications, 12(1), 6602.