Resource Summary Report

Generated by dkNET on Aug 18, 2026

pLVX-EF1alpha-SARS-CoV-2-orf8-2xStrep-IRES-Puro

RRID:Addgene_141390
Type: Plasmid

Proper Citation

RRID:Addgene_141390

Plasmid Information

URL: http://www.addgene.org/141390

Proper Citation: RRID:Addgene_141390

Insert Name: SARS-CoV-2-orf8

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-orf8-2xStrep-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-orf8-2xStrep-IRES-Puro.

No alerts have been found for pLVX-EF1alpha-SARS-CoV-2-orf8-2xStrep-IRES-Puro.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

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.

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

Kim IJ, et al. (2023) SARS-CoV-2 protein ORF8 limits expression levels of Spike antigen and facilitates immune evasion of infected host cells. The Journal of biological chemistry, 299(8), 104955.

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.

Kee J, et al. (2022) SARS-CoV-2 disrupts host epigenetic regulation via histone mimicry. Nature, 610(7931), 381.

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

Beaudoin-Bussières G, et al. (2022) SARS-CoV-2 Accessory Protein ORF8 Decreases Antibody-Dependent Cellular Cytotoxicity. Viruses, 14(6).

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.

Gupta RK, et al. (2022) Cyclin D3 restricts SARS-CoV-2 envelope incorporation into virions and interferes with viral spread. The EMBO journal, 41(22), e111653.

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