

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

CoV2-M-IRES-E

RRID:Addgene_177938

Type: Plasmid

Proper Citation

RRID:Addgene_177938

Plasmid Information

URL: <http://www.addgene.org/177938>

Proper Citation: RRID:Addgene_177938

Insert Name: SARS-CoV-2 Membrane and Envelope proteins (original Wuhan Hu1 sequence)

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34735219](#)

Vector Backbone Description: Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please visit <https://www.biorxiv.org/content/10.1101/2021.08.05.455082v1> for bioRxiv preprint.

Plasmid Name: CoV2-M-IRES-E

Record Creation Time: 20220422T222026+0000

Record Last Update: 20260815T081113+0000

Ratings and Alerts

No rating or validation information has been found for CoV2-M-IRES-E.

No alerts have been found for CoV2-M-IRES-E.

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](#) .

Wang SH, et al. (2026) SARS-CoV-2 membrane protein recruits PP2A to dephosphorylate the nucleocapsid and promote virion production. *Journal of biomedical science*, 33(1).

Graul M, et al. (2025) Anticoronavirus Activity of Uridine Glycoconjugates Containing a 1,2,3-Triazole Moiety. *Journal of medicinal chemistry*, 68(16), 17859.

Yang Q, et al. (2025) Tuning the tropism and infectivity of SARS-CoV-2 virus-like particles for mRNA delivery. *Nucleic acids research*, 53(5).

Pantoja C, et al. (2025) Electromagnetic waves destabilize the SARS-CoV-2 Spike protein and reduce SARS-CoV-2 Virus-Like particle (SC2-VLP) infectivity. *Scientific reports*, 15(1), 16836.

Tai JH, et al. (2025) Tradeoffs between proliferation and transmission in virus evolution- insights from evolutionary and functional analyses of SARS-CoV-2. *Virology journal*, 22(1), 107.

Lusvarghi S, et al. (2023) Effects of N-glycan modifications on spike expression, virus infectivity, and neutralization sensitivity in ancestral compared to Omicron SARS-CoV-2 variants. *PLoS pathogens*, 19(11), e1011788.

Liu H, et al. (2023) Development of novel SARS-CoV-2 viral vectors. *Scientific reports*, 13(1), 13053.

Sengar A, et al. (2023) Single-Virus Fusion Measurements Reveal Multiple Mechanistically Equivalent Pathways for SARS-CoV-2 Entry. *Journal of virology*, 97(5), e0199222.

Palermo E, et al. (2022) Virus-like particle - mediated delivery of the RIG-I agonist M8 induces a type I interferon response and protects cells against viral infection. *Frontiers in cellular and infection microbiology*, 12, 1079926.