

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pCDNA3.3_MERS_D12

RRID:Addgene_170448

Type: Plasmid

Proper Citation

RRID:Addgene_170448

Plasmid Information

URL: <http://www.addgene.org/170448>

Proper Citation: RRID:Addgene_170448

Insert Name: MERS spike D12

Organism: MERS

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32540903](#)

Vector Backbone Description: Backbone Size:5500; Vector Backbone:pcDNA3.3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCDNA3.3_MERS_D12

Relevant Mutation: last 12aa deletion in c-terminal tail

Record Creation Time: 20220422T221952+0000

Record Last Update: 20260725T074237+0000

Ratings and Alerts

No rating or validation information has been found for pCDNA3.3_MERS_D12.

No alerts have been found for pCDNA3.3_MERS_D12.

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 [NIF](#) .

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).

Yang Q, et al. (2025) Conserved role of spike S2 domain N-glycosylation across betacoronaviruses. *Npj viruses*, 3(1), 4.

Thimmiraju SR, et al. (2024) Optimization of Cellular Transduction by the HIV-Based Pseudovirus Platform with Pan-Coronavirus Spike Proteins. *Viruses*, 16(9).

Yang Q, et al. (2024) Conserved role of spike S2 domain N-glycosylation across beta-coronavirus family. *bioRxiv : the preprint server for biology*.

Thimmiraju SR, et al. (2024) A trivalent protein-based pan-Betacoronavirus vaccine elicits cross-neutralizing antibodies against a panel of coronavirus pseudoviruses. *NPJ vaccines*, 9(1), 132.

Zoepfl M, et al. (2023) Antiviral activity of marine sulfated glycans against pathogenic human coronaviruses. *Scientific reports*, 13(1), 4804.

Dacon C, et al. (2023) Rare, convergent antibodies targeting the stem helix broadly neutralize diverse betacoronaviruses. *Cell host & microbe*, 31(1), 97.

Song J, et al. (2022) LRRC15 inhibits SARS-CoV-2 cellular entry in trans. *PLoS biology*, 20(10), e3001805.

Song J, et al. (2021) LRRC15 is an inhibitory receptor blocking SARS-CoV-2 spike-mediated entry in trans. *bioRxiv : the preprint server for biology*.