

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pcDNA3.3-SARS2-B.1.617.1

RRID:Addgene_172319

Type: Plasmid

Proper Citation

RRID:Addgene_172319

Plasmid Information

URL: <http://www.addgene.org/172319>

Proper Citation: RRID:Addgene_172319

Insert Name: Spike of B.1.617.1 strain

Organism: SARS-CoV-2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34519517](#)

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

Plasmid Name: pcDNA3.3-SARS2-B.1.617.1

Relevant Mutation: G142D, E154K, L452R, E484Q, D614G, P681R, Q1071H, H1101D,
c-terminal 18aa deletion

Record Creation Time: 20220422T222000+0000

Record Last Update: 20260815T081023+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.3-SARS2-B.1.617.1.

No alerts have been found for pcDNA3.3-SARS2-B.1.617.1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Jana ID, et al. (2025) Early 2022 breakthrough infection sera from India target the conserved cryptic class 5 epitope to counteract immune escape by SARS-CoV-2 variants. Journal of virology, 99(4), e0005125.

Ahmed N, et al. (2023) microRNA-185 Inhibits SARS-CoV-2 Infection through the Modulation of the Host's Lipid Microenvironment. Viruses, 15(9).

Jana ID, et al. (2022) Targeting an evolutionarily conserved "E-L-L" motif in the spike protein to develop a small molecule fusion inhibitor against SARS-CoV-2. bioRxiv : the preprint server for biology.