

Resource Summary Report

Generated by [dkNET](#) on Aug 30, 2026

pTwist-SARS-CoV-2 ?18 B.1.617.2v1

RRID:Addgene_179905

Type: Plasmid

Proper Citation

RRID:Addgene_179905

Plasmid Information

URL: <http://www.addgene.org/179905>

Proper Citation: RRID:Addgene_179905

Insert Name: SARS-CoV-2 B.1.617.2v1 Spike truncated to remove 18 amino acids

Organism: Severe acute respiratory syndrome coronavirus 2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34995482](#)

Vector Backbone Description: Backbone Marker:Twist; Backbone Size:6694; Vector Backbone:pTwist-CMV-BetaGlobin-WPRE-Neo; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pTwist-SARS-CoV-2 ?18 B.1.617.2v1

Relevant Mutation: T19R; G142D; E156G; ?157-158; L452R; T478K; D614G; P681R; D950N;

Record Creation Time: 20220422T222032+0000

Record Last Update: 20260829T080115+0000

Ratings and Alerts

No rating or validation information has been found for pTwist-SARS-CoV-2 ?18 B.1.617.2v1.

No alerts have been found for pTwist-SARS-CoV-2 ?18 B.1.617.2v1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Roederer AL, et al. (2026) SARS-CoV-2 fusion-peptide-directed antibodies are elicited by natural infection and can mediate broad sarbecovirus neutralization. Cell reports, 45(2), 116954.

Antia A, et al. (2024) SARS-CoV-2 Omicron BA.1 Variant Infection of Human Colon Epithelial Cells. Viruses, 16(4).

Roederer AL, et al. (2024) Ongoing evolution of SARS-CoV-2 drives escape from mRNA vaccine-induced humoral immunity. Cell reports. Medicine, 5(12), 101850.

Rocha VPC, et al. (2024) High-Content Imaging-Based Assay for SARS-CoV-2-Neutralizing Antibodies. Vaccines, 12(3).

Ho HPT, et al. (2022) Ganoderma microsporum immunomodulatory protein acts as a multifunctional broad-spectrum antiviral against SARS-CoV-2 by interfering virus binding to the host cells and spike-mediated cell fusion. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 155, 113766.

Hung JN, et al. (2022) PEDOT:PSS in Solution Form Exhibits Strong Potential in Inhibiting SARS-CoV-2 Infection of the Host Cells by Targeting Viruses and Also the Host Cells. Biomacromolecules, 23(9), 3535.