

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

pCAGGS-SARS2-S-G614 (C-flag)

RRID:Addgene_156421

Type: Plasmid

Proper Citation

RRID:Addgene_156421

Plasmid Information

URL: <http://www.addgene.org/156421>

Proper Citation: RRID:Addgene_156421

Insert Name: SARS-CoV-2 S protein

Organism: SARS CoV2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33243994](#)

Vector Backbone Description: Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Pseudotypes onto the MLV vector but not efficiently to VSV or lentiviral vectors

Plasmid Name: pCAGGS-SARS2-S-G614 (C-flag)

Relevant Mutation: D614G

Record Creation Time: 20220422T221852+0000

Record Last Update: 20260829T075756+0000

Ratings and Alerts

No rating or validation information has been found for pCAGGS-SARS2-S-G614 (C-flag).

No alerts have been found for pCAGGS-SARS2-S-G614 (C-flag).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Piranej S, et al. (2024) Rolosense: Mechanical Detection of SARS-CoV-2 Using a DNA-Based Motor. ACS central science, 10(7), 1332.

Gunaratne GS, et al. (2023) Convergent activation of two-pore channels mediated by the NAADP-binding proteins JPT2 and LSM12. Science signaling, 16(799), eadg0485.

Riccio A, et al. (2022) Impairment of SARS-CoV-2 spike glycoprotein maturation and fusion activity by nitazoxanide: an effect independent of spike variants emergence. Cellular and molecular life sciences : CMLS, 79(5), 227.

Minenkova O, et al. (2022) Human inhalable antibody fragments neutralizing SARS-CoV-2 variants for COVID-19 therapy. Molecular therapy : the journal of the American Society of Gene Therapy, 30(5), 1979.

Xu C, et al. (2021) Human Defensins Inhibit SARS-CoV-2 Infection by Blocking Viral Entry. Viruses, 13(7).