

# Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

## pCAGGS SARS-CoV-2 BQ.1.1 Spike

RRID:Addgene\_193710

Type: Plasmid

### Proper Citation

RRID:Addgene\_193710

### Plasmid Information

**URL:** <http://www.addgene.org/193710>

**Proper Citation:** RRID:Addgene\_193710

**Insert Name:** SARS-CoV-2 BQ.1.1 Spike

**Organism:** Other

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:36656710](#)

**Vector Backbone Description:** Backbone Size:4716; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Plasmid Name:** pCAGGS SARS-CoV-2 BQ.1.1 Spike

**Relevant Mutation:** Contains the following mutations: T19I, LPPA24S, ??69-70, G142D, V213G, G339D, R346T, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, K444T, L452R, N460K, S477N, T478K, E484A, F486V, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K

**Record Creation Time:** 20221123T080300+0000

**Record Last Update:** 20260815T082421+0000

### Ratings and Alerts

No rating or validation information has been found for pCAGGS SARS-CoV-2 BQ.1.1 Spike.

No alerts have been found for pCAGGS SARS-CoV-2 BQ.1.1 Spike.

### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Ho CL, et al. (2024) Long-term analysis of humoral responses and spike-specific T cell memory to Omicron variants after different COVID-19 vaccine regimens. *Frontiers in immunology*, 15, 1340645.