

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 5, 2026

Spike Display_B.1.1.7

RRID:Addgene_172735

Type: Plasmid

Proper Citation

RRID:Addgene_172735

Plasmid Information

URL: <http://www.addgene.org/172735>

Proper Citation: RRID:Addgene_172735

Insert Name: SARS-CoV-2 S B.1.1.7

Organism: Severe acute respiratory syndrome coronavirus 2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34919820](https://pubmed.ncbi.nlm.nih.gov/34919820/)

Vector Backbone Description: Vector Backbone:pcDNA5/FRT/TO/intron; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please visit <https://www.biorxiv.org/content/10.1101/2021.03.30.437622v2> for bioRxiv preprint.

Plasmid Name: Spike Display_B.1.1.7

Relevant Mutation: Ectodomain only (AAs 1-1208); 682-685 (furin site) replaced with 'GSAS'; F817P, A892P, A899P, A942P, K986P, V987P, D614G, HV 69-70 deletion, Y144 deletion, N501Y, A570D, P681H, T716I, S982A, D1118H

Record Creation Time: 20220422T222002+0000

Record Last Update: 20260905T075217+0000

Ratings and Alerts

No rating or validation information has been found for Spike Display_B.1.1.7.

No alerts have been found for Spike Display_B.1.1.7.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Javanmardi K, et al. (2021) Rapid characterization of spike variants via mammalian cell surface display. Molecular cell, 81(24), 5099.