

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

p?H-S-GSAS-2P-OMICRON

RRID:Addgene_180593

Type: Plasmid

Proper Citation

RRID:Addgene_180593

Plasmid Information

URL: <http://www.addgene.org/180593>

Proper Citation: RRID:Addgene_180593

Insert Name: Spike (S-GSAS-2P-OMICRON)

Organism: Severe acute respiratory syndrome coronavirus 2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:35447081](https://pubmed.ncbi.nlm.nih.gov/35447081/)

Vector Backbone Description: Backbone Size:4746; Vector Backbone:p?H; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: See this as a reference: <https://www.addgene.org/164566/>. Please visit <https://www.biorxiv.org/content/10.1101/2022.01.25.477784v1> for bioRxiv preprint.

Plasmid Name: p?H-S-GSAS-2P-OMICRON

Relevant Mutation: Ectodomain (AAs 1-1208); 682-685 (furin site = RRAR) replaced with GSAS; A67V-?H69/V70-T95I, G142D, V143-, Y144-, Y145-, N211-, L212I, +214EPE-G339D-S371L-S373P-S375F-K417N-N440K-G446S-S477N-T478K-E484A-Q493R-G496S-Q498R-N501Y-Y505H-T547K-D614G-H655Y-N679K-P681H-N764K -D796Y-N856K-Q954H-N969K-K986P-V987P-L981F

Record Creation Time: 20220422T222034+0000

Record Last Update: 20260725T074351+0000

Ratings and Alerts

No rating or validation information has been found for p?H-S-GSAS-2P-OMICRON.

No alerts have been found for p?H-S-GSAS-2P-OMICRON.

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 [NIF](#) .

Gobeil SM, et al. (2022) Structural diversity of the SARS-CoV-2 Omicron spike. Molecular cell, 82(11), 2050.