Resource Summary Report

Generated by RRID on Aug 24, 2026

SARS-CoV-2 S HexaPro

RRID:Addgene_154754
Type: Plasmid

Proper Citation

RRID:Addgene_154754

Plasmid Information

URL: http://www.addgene.org/154754

Proper Citation: RRID:Addgene_154754

Insert Name: Spike (HexaPro variant)

Organism: Severe acute respiratory syndrome coronavirus 2

Bacterial Resistance: Ampicillin

Defining Citation: PMID:32703906

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

Plasmid Name: SARS-CoV-2 S HexaPro

Relevant Mutation: Ectodomain only (AAs 1-1208); 682-685 (furin site) replaced with 'GSAS'; F817P, A892P, A899P, A942P, K986P, V987P

Record Creation Time: 20220422T221848+0000

Record Last Update: 20260815T080754+0000

Ratings and Alerts

No rating or validation information has been found for SARS-CoV-2 S HexaPro.

No alerts have been found for SARS-CoV-2 S HexaPro.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 57 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Gonzales J, et al. (2025) Development of an ultrahigh affinity, trimeric ACE2 biologic as a universal SARS-CoV-2 antagonist. Communications biology, 8(1), 1428.

Moreno CL, et al. (2025) P selectin promotes SARS-CoV-2 interactions with platelets and the endothelium. The Journal of clinical investigation, 135(22).

Contreras-Villa J, et al. (2025) Cross-reactivity IgG, viral load, severity and vaccination outcome as an approach for understanding humoral immune response against SARS-CoV-2. BMC infectious diseases, 25(1), 1606.

Gracie NP, et al. (2025) An RGD motif on SARS-CoV-2 Spike induces TGF-? signaling and downregulates interferon. Journal of virology, e0043525.

McMillan CLD, et al. (2025) Skin patch delivery of a SARS-CoV-2 spike DNA vaccine produces broad neutralising antibody responses. Heliyon, 11(4), e42533.

Rencilin CF, et al. (2025) Cryo-EM reveals conformational variability in the SARS-CoV-2 spike protein RBD induced by two broadly neutralizing monoclonal antibodies. RSC advances, 15(18), 14385.

Sakakibara S, et al. (2024) Clonal landscape of autoantibody-secreting plasmablasts in COVID-19 patients. Life science alliance, 7(12).

Stein SC, et al. (2024) A human monoclonal antibody neutralizing SARS-CoV-2 Omicron variants containing the L452R mutation. Journal of virology, 98(12), e0122324.

Park C, et al. (2024) Murine alveolar macrophages rapidly accumulate intranasally administered SARS-CoV-2 Spike protein leading to neutrophil recruitment and damage. eLife, 12.

Guimaraes LC, et al. (2024) Nanoparticle-based DNA vaccine protects against SARS-CoV-2 variants in female preclinical models. Nature communications, 15(1), 590.

Hills RA, et al. (2024) Proactive vaccination using multiviral Quartet Nanocages to elicit broad anti-coronavirus responses. Nature nanotechnology, 19(8), 1216.

Kim H, et al. (2024) The host protease KLK5 primes and activates spike proteins to promote human betacoronavirus replication and lung inflammation. Science signaling, 17(850), eadn3785.

Yu Y, et al. (2024) Precise control of digital dental unit to reduce aerosol and splatter production: new challenges for future epidemics. BMC oral health, 24(1), 213.

Voss WN, et al. (2024) Hybrid immunity to SARS-CoV-2 arises from serological recall of IgG antibodies distinctly imprinted by infection or vaccination. Cell reports. Medicine, 5(8), 101668.

El-Baba TJ, et al. (2023) Uncovering the Role of N-Glycan Occupancy on the Cooperative Assembly of Spike and Angiotensin Converting Enzyme 2 Complexes: Insights from Glycoengineering and Native Mass Spectrometry. Journal of the American Chemical Society, 145(14), 8021.

Newby ML, et al. (2023) Variations within the Glycan Shield of SARS-CoV-2 Impact Viral Spike Dynamics. Journal of molecular biology, 435(4), 167928.

Loo L, et al. (2023) Fibroblast-expressed LRRC15 is a receptor for SARS-CoV-2 spike and controls antiviral and antifibrotic transcriptional programs. PLoS biology, 21(2), e3001967.

Martínez-Mármol R, et al. (2023) SARS-CoV-2 infection and viral fusogens cause neuronal and glial fusion that compromises neuronal activity. Science advances, 9(23), eadg2248.

Guseman AJ, et al. (2023) Targeting spike glycans to inhibit SARS-CoV2 viral entry. Proceedings of the National Academy of Sciences of the United States of America, 120(38), e2301518120.

Yuan M, et al. (2023) Widespread impact of immunoglobulin V gene allelic polymorphisms on antibody reactivity. bioRxiv : the preprint server for biology.