

Resource Summary Report

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

pWPI-IRES-Puro-Ak-ACE2-TMPRSS2

RRID:Addgene_154987

Type: Plasmid

Proper Citation

RRID:Addgene_154987

Plasmid Information

URL: <http://www.addgene.org/154987>

Proper Citation: RRID:Addgene_154987

Insert Name: ACE2 and TMPRSS2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pWPI-IRES-Puro-Ak; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pWPI-IRES-Puro-Ak-ACE2-TMPRSS2

Record Creation Time: 20220422T221849+0000

Record Last Update: 20260725T074044+0000

Ratings and Alerts

No rating or validation information has been found for pWPI-IRES-Puro-Ak-ACE2-TMPRSS2.

No alerts have been found for pWPI-IRES-Puro-Ak-ACE2-TMPRSS2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Long S, et al. (2024) SARS-CoV-2 N protein recruits G3BP to double membrane vesicles to promote translation of viral mRNAs. *Nature communications*, 15(1), 10607.

Shitaoka K, et al. (2023) Structural basis of spike RBM-specific human antibodies counteracting broad SARS-CoV-2 variants. *Communications biology*, 6(1), 395.

Kroll MK, et al. (2023) Importance of ACE2 for SARS-CoV-2 Infection of Kidney Cells. *Biomolecules*, 13(3).

Azuma H, et al. (2023) Vaccination with the Omicron spike RBD boosts broadly neutralizing antibody levels and confers sustained protection even after acquiring immunity to the original antigen. *International immunology*, 35(4), 197.

Narayan R, et al. (2023) Picolinic acid is a broad-spectrum inhibitor of enveloped virus entry that restricts SARS-CoV-2 and influenza A virus in vivo. *Cell reports. Medicine*, 4(8), 101127.

Faizan MI, et al. (2022) NSP4 and ORF9b of SARS-CoV-2 Induce Pro-Inflammatory Mitochondrial DNA Release in Inner Membrane-Derived Vesicles. *Cells*, 11(19).

Palermo E, et al. (2022) Virus-like particle - mediated delivery of the RIG-I agonist M8 induces a type I interferon response and protects cells against viral infection. *Frontiers in cellular and infection microbiology*, 12, 1079926.

Mishra T, et al. (2021) SARS CoV-2 Nucleoprotein Enhances the Infectivity of Lentiviral Spike Particles. *Frontiers in cellular and infection microbiology*, 11, 663688.

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