

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 29, 2026

ACE2

RRID:Addgene_164219

Type: Plasmid

Proper Citation

RRID:Addgene_164219

Plasmid Information

URL: <http://www.addgene.org/164219>

Proper Citation: RRID:Addgene_164219

Insert Name: ACE2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33103998](#)

Vector Backbone Description: Backbone Marker:Addgene plasmid 67974; Vector Backbone:pKLV2; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: ACE2

Relevant Mutation: silent mutation to remove internal EcoRI site (GAATTC to AAATTC)

Record Creation Time: 20220422T221928+0000

Record Last Update: 20260829T075914+0000

Ratings and Alerts

No rating or validation information has been found for ACE2.

No alerts have been found for ACE2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Han S, et al. (2025) Nanoscopy Reveals Heparan Sulfate Clusters as Docking Sites for SARS-CoV-2 Attachment and Entry. bioRxiv : the preprint server for biology.

Qiao R, et al. (2025) Novel Trispecific Neutralizing Antibodies With Enhanced Potency and Breadth Against Pan-Sarbecoviruses. MedComm, 6(5), e70191.

Osuagwu AE, et al. (2025) Non-neutralizing antibodies against SARS-CoV-2 nucleocapsid protein mediate variant transcendent antibody-dependent cellular cytotoxicity. Journal of immunology (Baltimore, Md. : 1950), 214(12), 3385.

Owolabi IJ, et al. (2025) Processing of genomic RNAs by Dicer in bat cells limits SARS-CoV-2 replication. Virology journal, 22(1), 86.

Hsueh FC, et al. (2024) Structural basis for raccoon dog receptor recognition by SARS-CoV-2. PLoS pathogens, 20(5), e1012204.

Maeda Y, et al. (2024) Differential Ability of Spike Protein of SARS-CoV-2 Variants to Downregulate ACE2. International journal of molecular sciences, 25(2).

Yang Q, et al. (2022) Role for N-glycans and calnexin-calreticulin chaperones in SARS-CoV-2 Spike maturation and viral infectivity. Science advances, 8(38), eabq8678.