

Resource Summary Report

Generated by [dkNET](#) on Sep 10, 2026

pcDNA3-sACE2v2

RRID:Addgene_145149

Type: Plasmid

Proper Citation

RRID:Addgene_145149

Plasmid Information

URL: <http://www.addgene.org/145149>

Proper Citation: RRID:Addgene_145149

Insert Name: Angiotensin-converting enzyme 2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32753553](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5332; Vector Backbone:pcDNA3.1(+); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please visit <https://www.biorxiv.org/content/10.1101/2020.03.16.994236v1> for BioRxiv preprint.

Plasmid Name: pcDNA3-sACE2v2

Relevant Mutation: Extracellular, soluble protease domain (a.a. M1-D615) with mutations T27Y, L79T, N330Y, A386L

Record Creation Time: 20220422T221818+0000

Record Last Update: 20260905T074906+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-sACE2v2.

No alerts have been found for pcDNA3-sACE2v2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Kim HK, et al. (2022) Engineered small extracellular vesicles displaying ACE2 variants on the surface protect against SARS-CoV-2 infection. Journal of extracellular vesicles, 11(1), e12179.

Procko E, et al. (2020) The sequence of human ACE2 is suboptimal for binding the S spike protein of SARS coronavirus 2. bioRxiv : the preprint server for biology.