

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

ACE2-Mutant-C(3+4)

RRID:Addgene_240611

Type: Plasmid

Proper Citation

RRID:Addgene_240611

Plasmid Information

URL: <http://www.addgene.org/240611>

Proper Citation: RRID:Addgene_240611

Insert Name: Angiotensin-converting enzyme 2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:5378; Vector Backbone:pcDNA3.1(-); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The sequences encoding ACE2 mutants with a C-terminal FLAG tag were generated in two steps. In step 1, ACE2 mutant inserts were generated by overlap-extension PCR with specific primers. In step 2, the mutated ACE2 PCR insert was inserted into pcDNA 3.1 vector using the NEBuilder HiFi DNA Assembly kit. The integrity of all PCR-amplified sequences was confirmed by automated sequence analysis.

Plasmid Name: ACE2-Mutant-C(3+4)

Relevant Mutation: Arginine (R) and Lysine (K) residues on both ACE2-cluster 3 and ACE2-cluster 4 are substituted by alanine (A) [C3 amino acids range 676-689; C4 amino acids range 697-716]

Record Creation Time: 20250820T052436+0000

Record Last Update: 20260912T094434+0000

Ratings and Alerts

No rating or validation information has been found for ACE2-Mutant-C(3+4).

No alerts have been found for ACE2-Mutant-C(3+4).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.