

Resource Summary Report

Generated by [RRID](#) on Aug 30, 2026

pK18-hACE2

RRID:Addgene_149449

Type: Plasmid

Proper Citation

RRID:Addgene_149449

Plasmid Information

URL: <http://www.addgene.org/149449>

Proper Citation: RRID:Addgene_149449

Insert Name: Angiotensin-converting enzyme 2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17079315](#)

Vector Backbone Description: Backbone Marker:Tropix, Bedford, MA; Backbone Size:7114; Vector Backbone:pSEAP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The vector includes 5' and 3' genomic regions of the human K18 gene, necessary for driving high-level epithelial-cell-specific expression

Plasmid Name: pK18-hACE2

Record Creation Time: 20220422T221829+0000

Record Last Update: 20260829T075707+0000

Ratings and Alerts

No rating or validation information has been found for pK18-hACE2.

No alerts have been found for pK18-hACE2.

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 [RRID](#) .

Yokogawa M, et al. (2026) Allosteric Targeting of the ACE2 Dimer Interface by a Medium-sized Compound Inhibits SARS-CoV-2 Entry. Journal of molecular biology, 438(19), 169914.

Chau LF, et al. (2025) Human ACE2 transgenic pigs are susceptible to SARS-CoV-2 and develop COVID-19-like disease. Nature communications, 16(1), 766.