# Resource Summary Report

Generated by dkNET on Sep 7, 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:** 20260905T074928+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 dkNET .

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.