

# Recombinant Human ACE-2 Protein

Catalog No.: RP01275 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	59272	Q9BYF1

### Tags

C-hFc

### Synonyms

ACE2; ACEH; angiotensin-converting enzyme 2;ACEH

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. or Supplied as a 0.22 μm filtered solution in PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

### Basic Information

#### Description

Recombinant Human ACE2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln18-Ser740) of human ACE2 (Accession #Q9BYF1) fused with a Fc tag at the C-terminus.

#### Bio-Activity

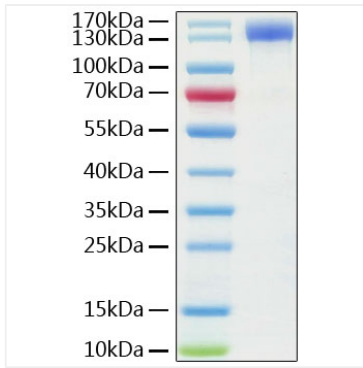
Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2 Spike RBD at 1 μg/mL (100 μL/well) can bind Human ACE2 with a linear range of 0.01-2.4 ng/mL.

#### Storage

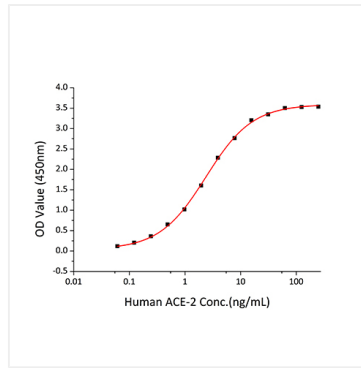
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

---



Recombinant Human ACE-2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 140-150 kDa.



Immobilized SARS-CoV-2 Spike RBD at 1  $\mu\text{g/mL}$  (100  $\mu\text{L}$ /well) can bind Human ACE2 with a linear range of 0.01-2.4 ng/mL.