

# Recombinant Human ACE-2 Protein

Catalog No.: RP01277

## Sequence Information

**Species**      **Gene ID**  
Human          59272

**Swiss Prot**    **Tags**  
Q9BYF1        N-His

### Synonyms

ACE2, ACEH, angiotensin-  
converting enzyme 2, ACEH

## Product Information

**Source**            **Purification**  
HEK293 cells      ≥ 95 % as  
determined by  
SDS-PAGE.

**Calculated MW** **Observed MW**  
84.44 kDa          110-120 kDa

### 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. 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.

## Background

### Basic Information

#### Description

Recombinant Human ACE-2 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 6×His tag at the N-terminus.

#### Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant Human ACE2 at 2 μg/mL (100 μL/well) can bind recombinant SARS-COV-2 S1 Protein with a linear range of 0.49-9.31 ng/mL.

#### Shipping

Lyophilized proteins are shipped at ambient temperature.  
Liquid proteins are shipped at frozen temperature with dry ice.  
Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C

#### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

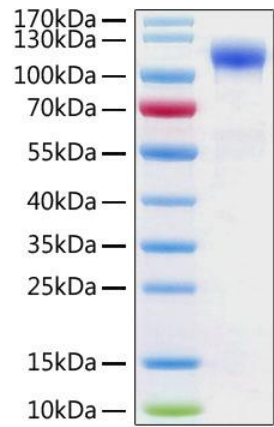
## Contact

☎ | 400-999-6126

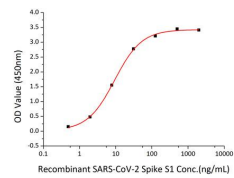
✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

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Validation Data



Recombinant Human ACE-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized recombinant Human ACE2-His at 2μg/mL (100 μL/well) can bind recombinant SARS-COV-2 S1-mFc Protein with a linear range of 0.49-9.31 ng/mL.