Recombinant Human ACE-2 Protein

Catalog No.: RP01266

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Sequence Information

Species
Human

Gene ID
59272

Swiss Prot
Q9BYF1

Tags
C-His&Avi

Synonyms
ACE2, ACEH, angiotensin-converting enzyme 2,ACEH

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW
86.25 kDa

Observed MW
95-110 kDa

Endotoxin
< 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 tube 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 stablizer (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
Active 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 6×His， Avi tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human ACE2 at 2 μg/mL (100μL/well) can bind SARS-CoV-2 Spike RBD with a linear range of 0.03-4.9 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℃

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
www.abclonal.com.cn

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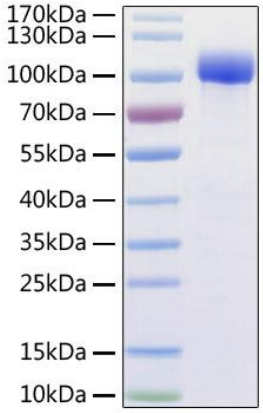
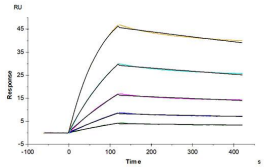
Please visit http://abclonal.com for a complete listing of recommended products.

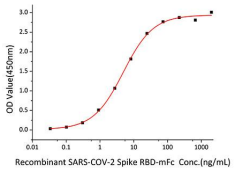
Validation Data



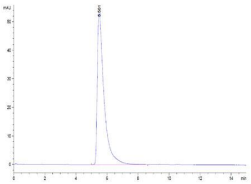
Recombinant Human ACE-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



SARS-COV-2 Spike S1, hFc Tag captured on CM5 Chip via Protein A can bind Human ACE2, His Tag with an affinity constant of 3.80 nM as determined in SPR assay (Biacore T200).



Immobilized Human ACE2 at 2 μg/mL (100μL/well) can bind SARS-CoV-2 Spike RBD with a linear range of 0.03-4.9 ng/mL.



The purity of Human ACE2 is greater than 95% as determined by SEC-HPLC

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