Recombinant Human ACE-2 Protein

Catalog No.: RP01275

Sequence Information

Species
Human

Gene ID
59272

Swiss Prot
Q9BYF1

Tags
C-hFc

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
109.56 kDa

Observed MW
140-150 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. 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 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
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.

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.

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℃

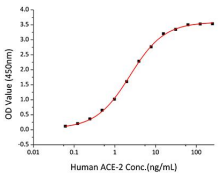
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

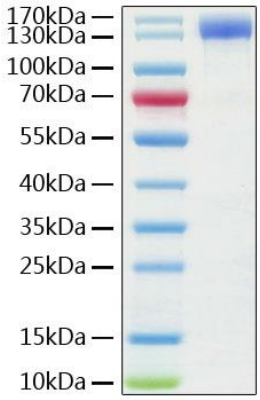
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Validation Data



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.



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