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32-190032: Recombinant Human ACE2 Protein with His and Avi tag

Application: **Functional Assay**

Gene ID: 59272 **Uniprot ID:** O9BYF1

Alternative Name: ACE-2; ACEH; ACE2

Description

Source: HEK293 cells.

Endotoxin: $< 0.1 EU/\mu g$ of the protein by LAL method.

Calculated MW: 86.2kDa

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×Hisī¼ŒAvi tag at the C-terminus.

Product Info

Amount: 100 μg

Purification: >95% by SDS-PAGE.

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. or Supplied as a 0.22 μm filtered Content:

solution in PBS, pH 7.4. Reconstitution: For lyophilized protein: Reconstitute to a concentration

of 0.1-0.5 mg/mL in sterile distilled water.

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. This product is stable at

≤ -70°C for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller

quantities after centrifugation and store at recommended temperature.

Amino Acid: 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.

Application Note

Storage condition:

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human ACE2-His at 2μg/mL (100 μL/well) can bind Recombinant 2019-nCoV Spike S1 with a linear range of 1.5-104.5ng/mL.

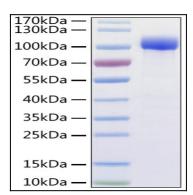


Fig 1: Recombinant Human ACE2 Protein with His and Avi tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 95-110 kDa.



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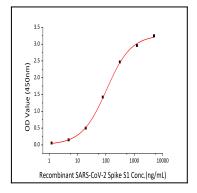


Fig 2 : Immobilized Recombinant Human ACE2-His at $2\hat{1}\frac{1}{4}$ g/mL (100 $\hat{1}\frac{1}{4}$ L/well) can bind Recombinant 2019-nCoV Spike S1 with a linear range of 1.5-104.5ng/mL.