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

Application : Functional Assay
Gene ID : 59272
Uniprot ID : Q9BYF1
Alternative Name : ACE-2; ACEH; ACE2

Description

Source: HEK293 cells.
Endotoxin: < 0.1 EU/μg 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×Hisï¼ŒAvi tag at the C-terminus.

Product Info

Amount : 100 μg
Purification : >95% by SDS-PAGE.
Content : Lyophilized from a 0.22 Î¼m filtered solution of PBS, pH 7.4. or Supplied as a 0.22 Î¼m filtered 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.
Storage condition : 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 â‰¤ -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 6Ã—Hisï¼ŒAvi tag at the C-terminus.

Application Note

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.

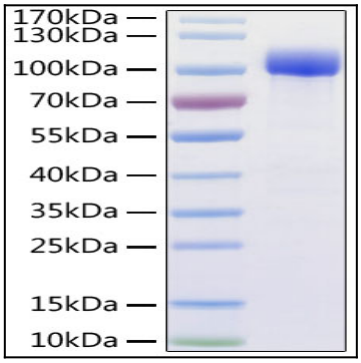

Fig 1 : Recombinant Human ACE2 Protein with His and Avi tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 95-110 kDa.

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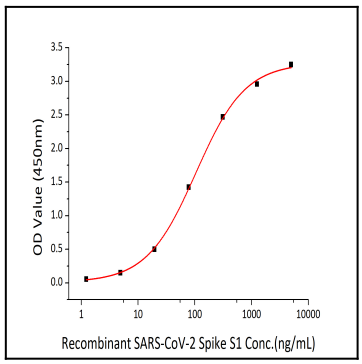

Fig 2 : Immobilized Recombinant Human ACE2-His at 2Î¼g/mL (100 Î¼L/well) can bind Recombinant 2019-nCoV Spike S1 with a linear range of 1.5-104.5ng/mL.