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32-190033: Recombinant Human ACE2 Protein with hFc tag

Application :	Functional Assay
Reactivity :	Human
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 : 109.5kDa
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.

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 1 year 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 Fc tag at the C-terminus.

Application Note

Measured by its binding ability in a functional ELISA. Immobilized Recombinant 2019-nCoV Spike RBD-6His at 2μg/mL (100 μL/well) can bind Recombinant Human ACE2-Fc, the EC50 of ACE2-Fc is 4-6 ng/mL.

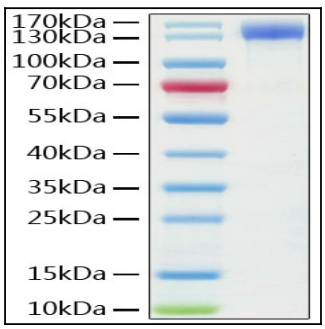

Fig 1 : Recombinant Human ACE2 Protein with hFc tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 140-150 kDa.

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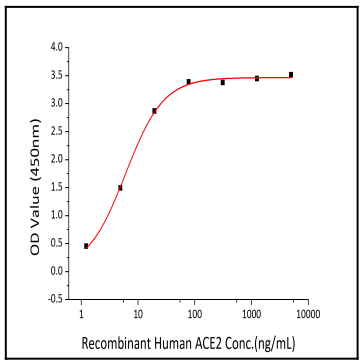

Fig 2 : Immobilized Recombinant 2019-nCoV Spike RBD-6His at 2Î¼g/mL (100 Î¼L/well) can bind Recombinant Human ACE2-Fc, the EC50 of ACE2-Fc is 4-6 ng/mL.