

32-190037: Recombinant SARS-CoV-2 S1+S2 ECD (S-ECD) Protein His tag

Application : Functional Assay

Gene ID : 43740568

Alternative Name : cov spike Protein; 2019-nCoV; ncov spike Protein; 2019-nCoV; coronavirus spike Protein; 2019-nCoV; S glycoprotein; COVID-19; S protein; Spike glycoprotein

Description

Source: HEK293 cells.

Endotoxin < 0.1 EU/μg of the protein by LAL method.

Recombinant 2019-nCoV S1+S2 ECD (S-ECD) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence Cys15-Gln1208 (Pro986, 987)(682-685GSAS) of 2019-ncov S1+S2 ECD (S-ECD) (Accession #QHD43416.1) fused with a 6xHis tag at the C-terminus.

Product Info

Amount : 100 μg

Purification : >97% by SDS-PAGE.

Content : Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.

Storage condition : This product is stable at 4°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. Avoid repeated freeze-thaw cycles.

Amino Acid : The target protein is expressed with sequence Cys15-Gln1208 (Pro986, 987)(682-685GSAS) of 2019-ncov S1+S2 ECD (S-ECD) (Accession #QHD43416.1) fused with a 6xHis tag at the C-terminus.

Application Note

Measured by its binding ability in a functional ELISA. Immobilized Recombinant 2019-nCoV Spike S1+S2 ECD at 2μg/mL (100 μL/well) can bind Recombinant Human ACE2 with a linear range of 0.15-3.03 ng/mL.

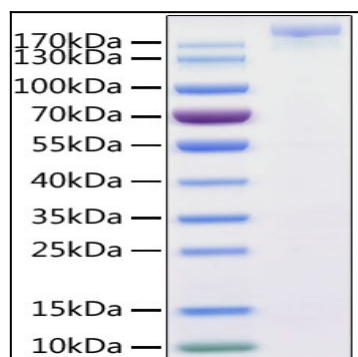


Fig 1 :Recombinant 2019-nCoV S1+S2 ECD (S-ECD) Protein with His tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 170-220 kDa.

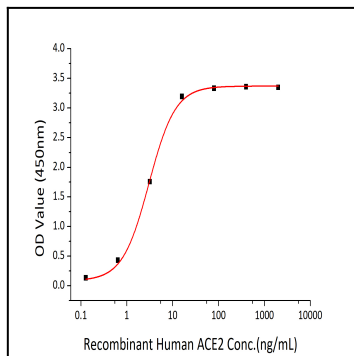


Fig2: Immobilized Recombinant 2019-nCoV Spike S1+S2 ECD at $2\frac{1}{4}$ g/mL ($100\frac{1}{4}$ L/well) can bind Recombinant Human ACE2 with a linear range of 0.15-3.03 ng/mL.