

32-190015: Recombinant Sars-Cov-2 (COVID-19/2019-nCov) Spike S1 Protein

Application : Functional Assay
Gene ID : 43740568
Alternative Name : S1 protein, Spike glycoprotein Subunit1, S glycoprotein Subunit1, Spike protein S1, novel coronavirus s1 Protein

Description

Source: HEK293 cells.

Endotoxin < 1.0 EU/μg of the protein by LAL method.

Recombinant 2019-nCoV Spike S1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val11-Arg682) of 2019-ncov Spike S1 (Accession #YP_009724390.1) fused with an Fc, 6xHis tag at the C-terminus.

Product Info

Amount : 100 μg
Purification : >95% by SDS-PAGE.
Content : Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
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.
Amino Acid : Tag Fc, 6xHis tag at the C-terminus. (Val11-Arg682)

Application Note

Reconstitution: Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. **Biological Activity:** Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human ACE2 at 2μg/mL (100 μL/well) can bind Recombinant 2019-nCoV Spike S1-TEVS-hFc-His with a linear range of 78-82.5 ng/mL.

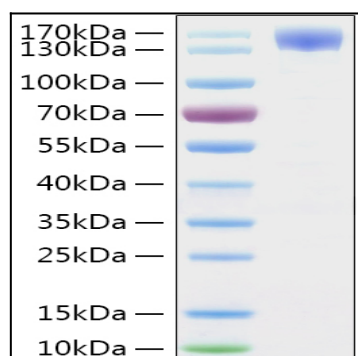


Fig 1 : Recombinant 2019-nCoV Spike S1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 130-160 kDa.

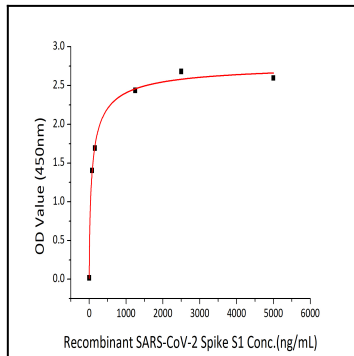


Figure 2 :Immobilized Recombinant Human ACE2 at 2 μ g/ml (100 μ l/well) can bind Recombinant 2019-nCoV Spike S1-TEVS-hFc-His with a linear range of 78-82.5 ng/ml.