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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, 6×His 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, 6Ã—His 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.

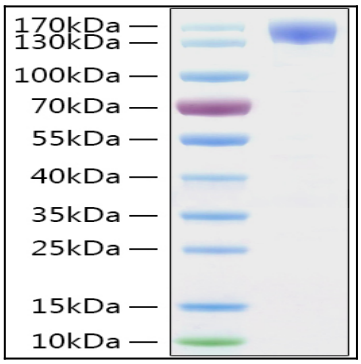

Fig 1 : Recombinant 2019-nCoV Spike S1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 130-160 kDa.

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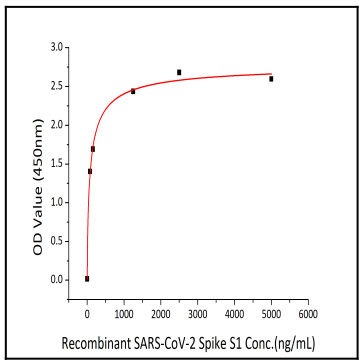

Figure 2 :Immobilized Recombinant Human ACE2 at 2Î¼g/ml (100 Î¼l/well) can bind Recombinant 2019-nCoV Spike S1-TEVS-hFc-His with a linear range of 78-82.5 ng/ml.