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32-190014: Recombinant Sars-Cov-2 (COVID-19/2019-nCov) Spike RBD Protein

Application :	Functional Assay
Gene ID :	43740568
Alternative Name :	S1-RBD protein,NCP-CoV RBD Protein,novel coronavirus RBD Protein,2019-nCoV RBD Protein,S glycoprotein Subunit1 RBD Protein, SARS

Description

Source: HEK293 cells.
Endotoxin: < 0.1 EU/μg of the protein by LAL method.
Recombinant 2019-nCoV Spike RBD-His Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg319-Phe541) of 2019-ncov Spike RBD-His (Accession #YP_009724390.1) fused with an 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.(Arg319-Phe541)

Application Note

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

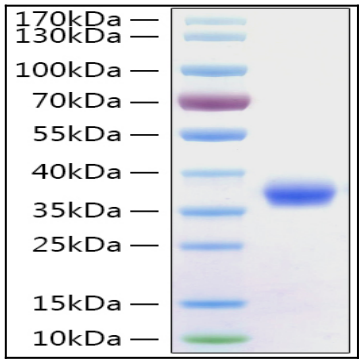

Fig 1 : Recombinant 2019-nCoV Spike RBD Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 36 kDa.

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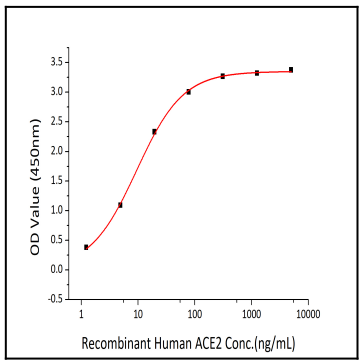

Fig 2 : Immobilized Recombinant 2019-nCoV Spike RBD-His at 2Î¼g/mL (100 Î¼L/well) can bind Recombinant Human ACE2 with a linear range of 1.5-9.4 ng/mL.

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