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32-190029: Recombinant 2019-nCoV Spike RBD Protein His tag

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

Description

Source: HEK293 cells.
Endotoxin: < 0.1 EU/μg of the protein by LAL method.
Recombinant 2019-nCoV Spike RBD Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg319-Phe541) of 2019-ncov Spike RBD (Accession #YP_009724390.1) fused with a 6×His tag at the C-terminus.

Product Info

Amount :	100 μg
Purification :	> 95% by SDS-PAGE;> 95% by HPLC
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.
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 liquid product is stable at â‰¤ 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 :	The target protein is expressed with sequence (Arg319-Phe541) of 2019-ncov Spike RBD (Accession #YP_009724390.1) fused with a 6Ã—His tag at the C-terminus.

Application Note

Measured by its binding ability in a functional ELISA. Immobilized Recombinant 2019-nCoV Spike RBD Protein at 2μg/mL (100 μL/well) can bind Recombinant Human ACE2 with a linear range of 0.12-9.06 ng/mL.

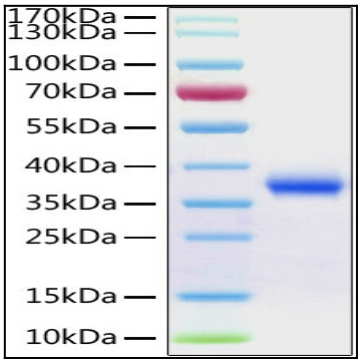

Fig 1 : Recombinant 2019-nCoV Spike RBD Protein with His tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 36 kDa.

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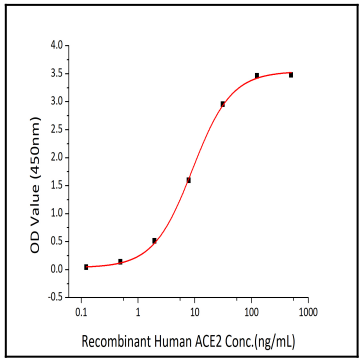

Fig 2 : Immobilized Recombinant 2019-nCoV Spike RBD Protein at 2Î¼g/mL (100 Î¼L/well) can bind Recombinant Human ACE2 with a linear range of 0.12-9.06 ng/mL.

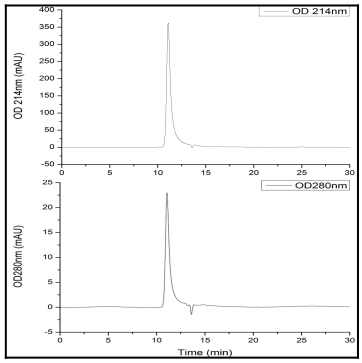

Fig 3 : The purity of 2019-nCoV Spike RBD Protein with His tag was greater than 95% as determined by SEC-HPLC