

Recombinant 2019-nCoV Spike RBD Protein with His tag

Catalog No	RP01258	Category	Recombinant Protein
Description	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 a 6×His tag at the C-terminus.		

Sequence Information

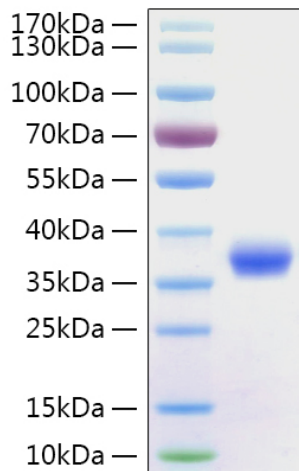
Species	2019-nCoV	Gene ID	43740568
Tags	6×His tag at the C-terminus	Swiss Prot	
Synonyms	S1-RBD protein;NCP-CoV RBD Protein;novel coronavirus RBD Protein;2019-nCoV RBD Protein;S glycoprotein Subunit1 RBD Protein		

Product information

Source	HEK293 cells
Purity	>95% by SDS-PAGE.
Endotoxin	< 0.1 EU/μg of the protein by LAL method.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Storage	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. Avoid repeated freeze/thaw cycles.

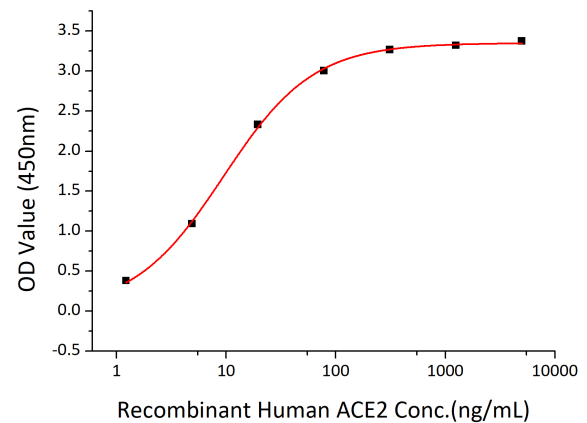
Background

SDS-PAGE



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

Bioactivity



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