Recombinant 2019-nCoV Spike S1 Protein with His tag

Catalog No	RP01262	**Category**	Recombinant Protein
Description	Recombinant 2019-nCoV Spike S1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val16-Arg685) of 2019-ncov Spike S1 (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 protein; Spike glycoprotein Subunit1;S glycoprotein Subunit1;Spike protein S1;novel coronavirus s1 Protein		

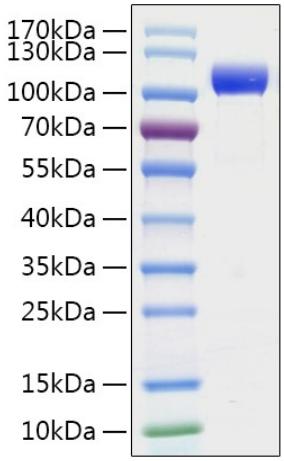
Product information

Source	HEK293 cells
Purity	>90% by SDS-PAGE.
Endotoxin	< 1.0 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

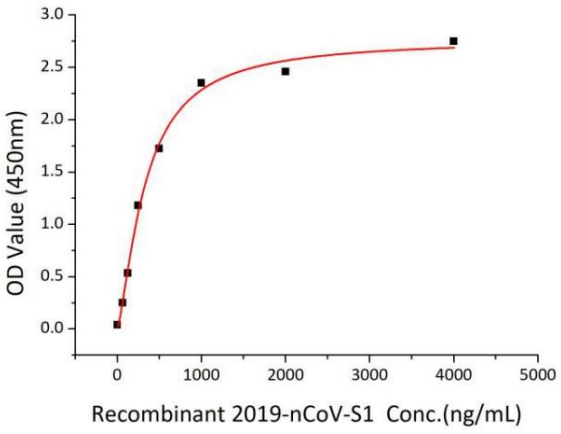
The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates thisinteraction.The S protein plays key parts in the induction of neutralizing-antibody and T-cellresponses, as well as protective immunity.

SDS-PAGE



Recombinant 2019-nCoV Spike S1 Protein with His tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 110-130 kDa.

Bioactivity



Measured by its binding ability in a functional ELISA.Immobilized Recombinant Human ACE2 at 2 g/mL (100L/well) can bind Recombinant nCoV-S1, The EC50 of nCoV-S1 is 0.25-0.45 μg/mL

Phone: *888.754.5670*
Email: *info@abclonal.com*