

## Recombinant 2019-nCoV Spike S1 Protein with His and Avi tag

<b>Catalog No</b>	RP01261	<b>Category</b>	Recombinant Protein
<b>Description</b>	Recombinant 2019-nCoV Spike S1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln14-Arg683) of 2019-nCoV Spike S1 (Accession #YP_009724390.1) fused with a 6×His tag and Avi at the C-terminus.		

### Sequence Information

<b>Species</b>	2019-nCoV	<b>Gene ID</b>	43740568
<b>Tags</b>	6×His tag and Avi at the C-terminus	<b>Swiss Prot</b>	
<b>Synonyms</b>	S1 protein; Spike glycoprotein Subunit1;S glycoprotein Subunit1;Spike protein S1;novel coronavirus s1 Protein		

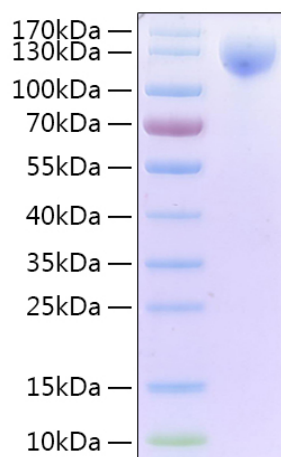
### Product information

<b>Source</b>	HEK293 cells
<b>Purity</b>	>95% by SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU/μg of the protein by LAL method.
<b>Formulation</b>	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water
<b>Storage</b>	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. <b>Avoid repeated freeze/thaw cycles.</b>

### Background

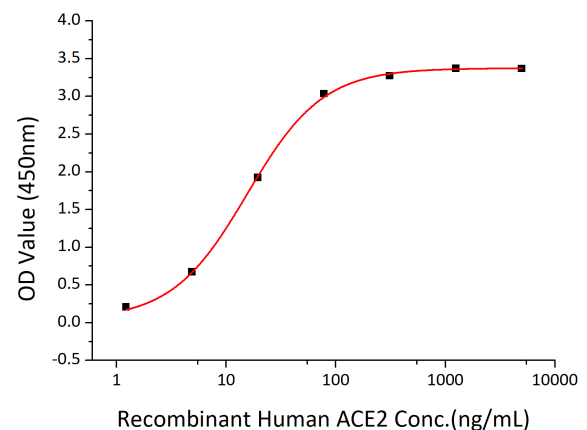
The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well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

### SDS-PAGE



Recombinant 2019-nCoV Spike S1 Protein with His and Avi tag on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### Bioactivity



Immobilized Recombinant 2019-nCoV Spike S1-His-Avi at 2μg/mL (100 μL/well) can bind Recombinant Human ACE2 with a linear range of 1.5-15 ng/mL.