

## HEK293 expressed 2019-nCoV proteins with bioactivity verified by SPR and BLI

- ★ SPR/ BLI/ ELISA protocols are offered for free.
- ★ Buy a large size of ACE2, S, S1, S RBD proteins and get a small size one for free.
- ★ No extra shipping cost if dry ice shipping is needed for liquid products.



Given that 2019-nCoV has caused widespread outbreak awareness, WHO has mobilized the international community to develop the antiviral drugs, vaccines and diagnostic tools against the new coronavirus (2019-nCoV) actively.

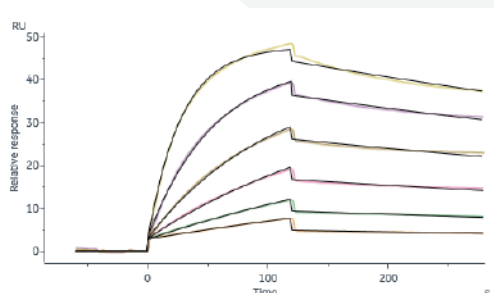
To accelerate the drug development, ACROBiosystems has developed high-quality 2019-nCoV full length S, S1 and Human ACE2 protein expressed by HEK293. The binding activity was verified by SPR, BLI and ELISA. ACRO provides not only the high-quality proteins, but also the following benefits:

- **SPR/ BLI/ ELISA protocols are offered for free.**
- **Buy a large size of ACE2, S, S1 proteins and get a small size one for free.**
- **No extra shipping cost if dry ice shipping is needed for liquid products.**

Quantity Limited!

## Bioactivity

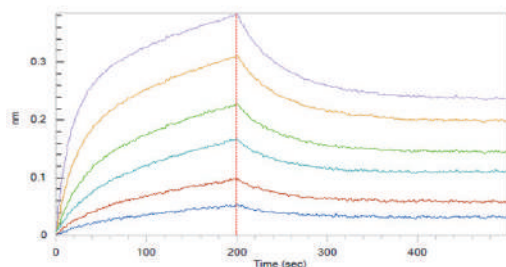
- SPR verified that the affinity constant of human ACE2 protein binding to 2019-nCoV S1 protein was 15.4 nM.



*2019-nCoV S1 protein, His Tag (Cat. No.S1N-C52H3) captured on CM5 Chip via anti-His antibody can bind Human ACE2 Protein, Fc Tag (Cat. No. AC2-H5257) with an affinity constant of 15.4 nM as determined in SPR assay (Biacore 8K).*

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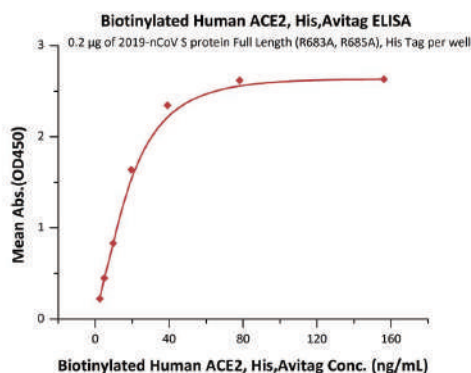
- BLI verified that the affinity constant of 2019-nCoV full length S protein binding to human ACE2 protein was 17.2 nM.



Loaded Human ACE-2 protein, C-Fc (Cat. No. AC2-H5257) on Protein A Biosensor, can bind 2019-nCoV S protein Full Length (R683A, R685A), His Tag (Cat. No. SPN-C52H4) with an affinity constant of 17.2 nM as determined in BLI assay (ForteBio Octet Red96e).

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- ELISA verified that the linear range of human ACE2 protein binding to 2019-nCoV full length S protein was 2-20 ng.



Immobilized 2019-nCoV S protein Full Length (R683A, R685A), His Tag (Cat. No. SPN-C52H4) at 2 µg/mL (100 µL/well) can bind Biotinylated Human ACE2, His,Avitag (Cat. No. AC2-H82E6) with a linear range of 2-20 ng/mL.

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## Product List

\* Click the Cat. No. below for more product information

More related products and ELISA kits are coming soon, please visit [www.acrobiosystems.com](http://www.acrobiosystems.com) for the latest and most comprehensive product information. [Click Here](#)

Molecule	Cat. No.	Species	Host	Product Description
ACE2 protein	<a href="#">AC2-H82E6</a>	Human	HEK293	Biotinylated Human ACE2 / ACEH Protein, His,Avitag™
	<a href="#">AC2-H5257</a>	Human	HEK293	Human ACE2 / ACEH Protein, Fc Tag
	<a href="#">AC2-H52H8</a>	Human	HEK293	Human ACE2 / ACEH Protein, His Tag
	<a href="#">AC2-H82F9</a>	Human	HEK293	Biotinylated Human ACE2 / ACEH Protein, Fc,Avitag™
	<a href="#">AC2-C52H7</a>	Cynomolgus	HEK293	Cynomolgus ACE2 / ACEH Protein, His Tag
	<a href="#">AC2-R5246</a>	Rat	HEK293	Rat ACE2, His Tag
	<a href="#">AC2-M5248</a>	Mouse	HEK293	Mouse ACE2, His Tag
S protein	<a href="#">SPN-C52H4</a>	2019-nCoV	HEK293	2019-nCoV S protein Full Length (R683A, R685A), His Tag
	<a href="#">SPN-S52H5</a>	SARS	HEK293	SARS S protein Full Length (R667A), His Tag
S1 protein	<a href="#">S1N-C52H3</a>	2019-nCoV	HEK293	2019-nCoV S1 protein, His Tag
	<a href="#">S1N-C82E8</a>	2019-nCoV	HEK293	Biotinylated 2019-nCoV S1 protein, His,Avitag™
	<a href="#">S1N-C52H6</a>	2019-nCoV	HEK293	2019-nCoV S1 protein trimer, His Tag
	<a href="#">S1N-S52H5</a>	SARS	HEK293	SARS S1 protein, His Tag
S protein RBD	<a href="#">SPD-C82E9</a>	2019-nCoV	HEK293	Biotinylated 2019-nCoV S protein RBD, His,Avitag™
	<a href="#">SPD-C5255</a>	2019-nCoV	HEK293	2019-nCoV S protein RBD, Fc Tag
	<a href="#">SPD-S52H6</a>	SARS	HEK293	SARS S protein RBD, His Tag
S2 protein	<a href="#">S2N-C52H3</a>	2019-nCoV	HEK293	2019-nCoV S2 protein, His Tag
3CL-Mpro	<a href="#">3CO-C51H5</a>	2019-nCoV	<i>E.coli</i>	2019-nCoV 3CL-Mpro Protein, His Tag
Nucleocapsid protein	<a href="#">NUN-C51H9</a>	2019-nCoV	<i>E.coli</i>	2019-nCoV Nucleocapsid protein, His Tag
Envelope protein	<a href="#">ENN-C5128</a>	2019-nCoV	<i>E.coli</i>	2019-nCoV Envelope protein, His Tag
RNA-dependent RNA polymerase	<a href="#">RNE-C5143</a>	2019-nCoV	<i>E.coli</i>	2019-nCoV RNA-dependent RNA polymerase, His Tag