

COVID 19 Spike S1 Coronavirus Active Protein | COVID-19 active protein

2019-nCoV Spike Protein S1

CATALOG # AAA73161	HOST CHO cells
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PRODUCT SYNONYMS

COVID 19 Spike S1 Coronavirus; 2019-nCoV Spike Protein S1; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike Protein S1; COVID-19 active protein

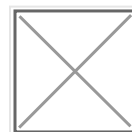
PRODUCT SPECIFICATIONS

Host	CHO cells
Sequence Positions	16-685
Sequence Length	29903
Species	Virus
Tag	HIS
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Bioactivity
Sample Activity Plot.



SDS-PAGE
Sample Purity Data.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein	The severe acute respiratory syndrome related novel coronavirus SARS-CoV-2 has caused the pandemic of the respiratory diseases (COVID-19) around the world in 2020 (1). The spike glycoprotein (S) of coronavirus belongs to the type I transmembrane protein containing two subunits, S1 and S2 (2), which is also known to be the key component to bind with host cells through the interaction with angiotensin-converting enzyme 2 (ACE2) (3). A receptor binding domain (RBD) of S1 can recognize the cell surface receptor and the mutation of RBD could cause higher motility rate (3).
Product Categories/Family for COVID-19 active protein	Proteins ; COVID-19 Related Products
References	1. Zhou P, et al: A pneumonia outbreak associated with a new coronavirus of probable bat origin. Nature. 2020, 579:270-89. 2. Xiao X, et al: The SARS-CoV S glycoprotein. Cell Mol Life Sci. 2004, 61 (19-20): 2428-30. 3. Lan J, et al: Crystal structure of the 2019-nCoV spike receptor-binding domain bound with the ACE2 receptor.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1798172431
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Molecular Weight	125 kDa
NCBI Official Full Name	Severe acute respiratory syndrome coronavirus 2 isolate Wuhan-Hu-1, complete genome

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cho-cells-covid-19-active-protein/covid-19-spike-s1-coronavirus/73161>