

COVID 19 Spike RBD Coronavirus Recombinant Protein | COVID-19 recombinant protein

Recombinant SARS-Cov-2 Spike RBD Protein

CATALOG # AAA59153	HOST HEK293	APPLICATIONS Lateral Flow
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PRODUCT SYNONYMS

COVID 19 Spike RBD Coronavirus; Recombinant SARS-Cov-2 Spike RBD Protein; Coronavirus spike; NCOV RBD; novel coronavirus RBD; novel coronavirus S1; RBD; Spike RBD; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	≥95% by SDS-PAGE
Form/Format	Liquid; Each vial contains 0.01 M PBS (pH7.4).
Applicable Applications for COVID-19 recombinant protein	LF (Lateral Flow)
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	Upon receipt, aliquot and store at -20 degree C for long term. Avoid repeated freeze and thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Description: Recombinant Severe Acute Respiratory Syndrome-Corona Virus-2 Spike Protein, SARS-CoV-2 S-RBD protein with His tag. Background: The 2019 novel coronavirus, abbreviated as 2019-ncov, is a new strain of coronavirus discovered in the human body in 2019. The symptoms of the virus are fever, fatigue, dry cough, and progressive dyspnea. In severe cases, the symptoms are acute respiratory distress syndrome, septic shock, metabolic acidosis and coagulation dysfunction that can't be corrected. The virus has been confirmed to exist the phenomenon of human-to-human transmission, the shortest incubation period of the virus is only 1 day, and the longest incubation period is 14 days. The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigen-related cell adhesion molecule. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion.
References	1. World Health Organization: Clinical management of severe acute respiratory infection when Novel coronavirus (nCoV) infection is suspected: Interim Guidance. 2. "Pneumonia diagnosis and treatment program for novel coronavirus infection" of the National Health Commission of People's Republic of China (Trial Version 3). 3. World Health Organization: Clinical management of severe acute respiratory infection when Novel coronavirus (nCoV) infection is suspected: Interim Guidance.

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.