

COVID 19 Spike Protein S1 Receptor-Binding Domain (S1RBD) Coronavirus Recombinant Protein | COVID-19 recombinant protein

COVID-19 Spike Protein S1 Receptor-Binding Domain (S1RBD)

CATALOG # AAA13611	HOST E Coli	APPLICATIONS Functional Assay
------------------------------	-----------------------	---

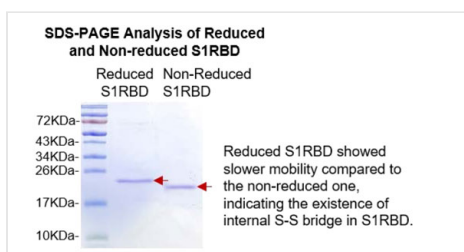
PRODUCT SYNONYMS

COVID 19 Spike Protein S1 Receptor-Binding Domain (S1RBD) Coronavirus; COVID-19 Spike Protein S1 Receptor-Binding Domain (S1RBD); 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 Receptor-Binding Domain (S1RBD); Receptor Binding Domain; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% pure by SDS-PAGE
Form/Format	Purified liquid; 50mM Tris, 300mM NaCl, 10% Glycerol, PH8.0.
Concentration	1.174mg/ml (quantified by Pierce BCA Protein Assay kit) (varies by lot)
Applicable Applications for COVID-19 recombinant protein	FA (Functional Assay), IA (Immunoassay)
Application Notes	Functional test, Immunoassay for detection of anti-S1RBD antibody in human blood.
Antigenicity Test	Antigenicity validated in patient serum samples via ELISA test by coating SARS-CoV-2S1RBD as capture antigen. Antigenic response even in 900-fold diluted patient serum.
Preparation and Storage	Ships on dry ice. Store liquid at 4°C while using. For long term storage, please store at -20°C or below. Avoid repeated freezing/thawing cycles.

IMAGES



SDS-PAGE



SDS-PAGE

S1 Receptor Binding Domain (S1RBD) of SARS-CoV-2

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Since December 2019, outbreak of COVID-19 infection has become a major epidemic threat in China and brought back the attention of pathogenic coronavirus to the spotlight. Spike protein is an envelope anchored protein that mediates the recognition and binding of COVID-19 to host cells. S1 can be further cleaved by the host protease into two subunits called S1 and S2, wherein the S1 polypeptide contain a receptor binding domain (RBD) crucial for the specific recognition and interaction with human receptor ACE2, which is the first and the most essential step for the virus infection.
--	--

NCBI AND UNIPROT INFORMATION

Molecular Weight	21.8kDa
------------------	---------

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/covid-19-spike-protein-s1-receptor-binding-domain-s1rbd-coronavirus-recombinant-protein-e-coli-fa-functional-assay-ia-immunoassay/13611>