

COVID 19 B.1.1.529 (Omicron) Spike RBD Coronavirus Active Protein | COVID-19 active protein

COV2 Spike protein RBD Recombinant B.1.1.529 (Omicron)-His

CATALOG #	HOST
AAA76129	HEK Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

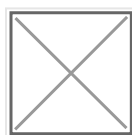
PRODUCT SYNONYMS

COVID 19 B.1.1.529 (Omicron) Spike RBD Coronavirus; COV2 Spike protein RBD Recombinant B.1.1.529 (Omicron)-His; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; B.1.1.529 (Omicron) Spike RBD; COVID-19 active protein

PRODUCT SPECIFICATIONS

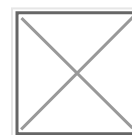
Host	HEK Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Recombinant COVID-19 Spike RBD was lyophilized from 0.2 um filtered PBS solution pH7.4
Source Notes	DNA sequence encoding extracellular fragment[319-541] of COV2 Spike RBD domain [accession# QIC53204.1] variant (B.1.1.529/Omicron) (G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H)including a C terminal polyHis tag was expressed in HEK cells.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug(1EU/ug).
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	Store lyophilized product at room temperature for 3 weeks or at -20°C for 24 months. Store reconstituted product at 2-8°C for 3 weeks or at -20°C for 12 months. *For long term storage, we recommend the addition of a carrier protein at 0.1%. *Avoid repeated freeze/thaw cycles.

IMAGES



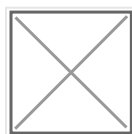
ELISA

SARS COV2 RBD B.1.1.529/omicron ACE functional binding ELISA assay. COV2 RBD (coating at 0.1ug-well) binding with Human ACE2-Fc .The linear range was found to be 100 ng/ml



SDS-PAGE

RBD variant B.1.1.529 omicron protein PAGE. 1ug loaded Tris-Bis PAGE under reducing condition. The purity is greater than 90%.



HPLC

SARS COV-2 Spike RBD B.1.1.529 omicron HPLC.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein	Recombinant COV2 RBD encodes the COV2 RBD omicron sequence. This molecule has a calculated mass of approximately 30kDa. Recombinant RBD contains an C-terminal His purification tag and migrates due to glycosylation as an approximately 40kDa protein under reducing conditions in SDS-PAGE. Recombinant COV2 RBD B.1.1.529 encodes the NCOV spike glycoprotein RBD domain sequence . This molecule has a calculated mass of approximately 76kDa. Recombinant COV2 RBD migrates due to glycosylation as an approximately 120 kDa protein under reducing conditions in SDS-PAGE.
Product Categories/Family for COVID-19 active protein	2019-nCoV/COVID-19 Coronavirus; Viral Antigens

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/hek-cells-covid-19-active-protein/covid-19-b-1-1-529-omicron-spike-rbd-coronavirus/76129>