

Recombinant SARS-CoV-2 Spike RBD(B.1.1.529 sublineage BA.2/Omicron) Protein

Catalog No.: RP02191

Sequence Information

Species **Gene ID**
SARS-CoV-2 43740568

Swiss Prot **Tags**
QHO60594.1 C-His

Synonyms

S1-RBD protein, NCP-CoV RBD Protein, novel coronavirus RBD Protein, 2019-nCoV RBD Protein, S glycoprotein Subunit1 RBD Protein

Product Information

Source **Purification**
HEK293 Cells ≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by HPLC.

Calculated MW **Observed MW**
26.71 kDa 36.55 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description

Recombinant SARS-CoV-2 Spike RBD(B.1.1.529 sublineage BA.2/Omicron) Protein is produced by HEK293 Cells expression system. The target protein is expressed with sequence (Arg319-Phe541(G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, S477N, T478K, E484A, Q493R, Q498R, N501Y, Y505H)) of sars-cov-2 Spike RBD(B.1.1.529 sublineage BA.2 /Omicron) (Accession #YP_009724390.1) fused with 6×His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

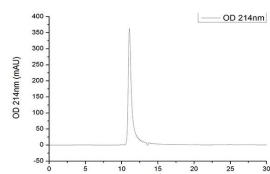
Contact

☎ | 400-999-6126

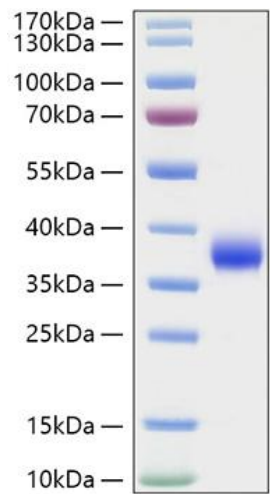
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Validation Data



The purity of SARS-CoV-2 Spike RBD(B.1.1.529 sublineage BA.2/Omicron) Protein (Cat.RP02191) was greater than 95% as determined by SEC-HPLC.



Recombinant SARS-CoV-2 Spike RBD(B.1.1.529 sublineage BA.2/Omicron) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.