

Recombinant SARS-COV-2 Spike S1 (N501Y,K417N,E484K) Protein

Catalog No.: RP02322 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
SARS-COV-2	43740568	YP_009724390.1

Tags

C-His

Synonyms

S1 protein;Spike glycoprotein Subunit1;S glycoprotein Subunit1;Spike protein S1

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
75.9 kDa	90-130 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 tube 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.

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Background

Basic Information

Description

Recombinant SARS-COV-2 Spike S1 (N501Y, K417N,E484K) Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Val16-Arg685(N501Y,K417N,E484K)) of SARS-COV-2 Spike S1(N501Y, K417N,E484K) fused with His tag at the C-terminal.

Bio-Activity

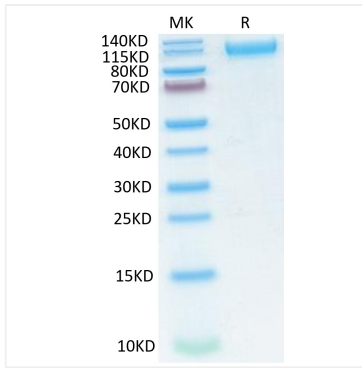
Storage

Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

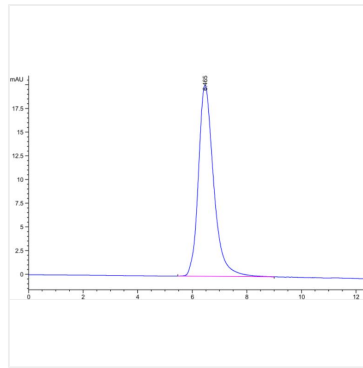
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



SARS-COV-2 Spike S1 (N501Y,K417N,E484K) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of SARS-COV-2 Spike S1 (N501Y,K417N,E484K) is greater than 95% as determined by SEC-HPLC.