SARS-CoV-2 (2019-nCoV) Spike S1(N234Q)-His Recombinant Protein

Catalog Number: 40591-V08H11

General Information

Gene Name Synonym:
coronavirus; cov spike; ncoy RBD; ncoy s1; ncoy s2; ncoy spike; NCP-CoV RBD; NCP-CoV s1; NCP-CoV s2; NCP-CoV Spike; novel coronavirus RBD; novel coronavirus s1; novel coronavirus s2; novel coronavirus spike; RBD; S1; S2; Spike RBD

Protein Construction:
A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) Spike S1(N234Q)-His Recombinant Protein (YP_009724390.1) (Val16-Arg685(N234Q)) was expressed with a polyhistidine tag at the C-terminus.

Source: 2019-nCoV
Expression Host: HEK293 Cells

QC Testing
Purity: > 85% as determined by SDS-PAGE.

Endotoxin:
< 1.0 EU per µg protein as determined by the LAL method.

Predicted N terminal: Val 16

Molecular Mass:
The recombinant SARS-CoV-2 (2019-nCoV) Spike S1(N234Q)-His Recombinant Protein consists of 681 amino acids and predicts a molecular mass of 76.5 kDa. As a result of glycosylation, it migrates as an approximately 110.4 kDa band in SDS-PAGE under reducing conditions.

Formulation:
Lyophilized from sterile PBS, pH 7.4.

Usage Guide
Stability & Storage:
Samples are stable for twelve months from date of receipt at -20°C to -80°C.

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References