**General Information**

**Gene Name Synonym:**
coronavirus spike; cov spike; ncov RBD; ncov s1; ncov s2; ncov 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 RBD(S359N)-His Recombinant Protein (YP_009724390.1) ([Arg319-Phe541(S359N)])) 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:** Arg319

**Molecular Mass:**
The recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(S359N)-His Recombinant Protein consists of 234 amino acids and predicts a molecular mass of 26.6 kDa.

**Formulation:**
Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

**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**