

## SARS-CoV-2 Coronavirus Full Length Spike Protein (SARS-CoV-2 Spike S1+S2)

**Catalog Number:** C100-006

**Lot:** 97468

Concentration: 0.493 mg/mL

### Description:

SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a positive sense RNA virus responsible for the COVID-19 pandemic. SARS-CoV-2 expresses a trimeric spike glycoprotein on the surface the virus, which is comprised of S1 and S2 domains. Within the S1 domain is the receptor binding domain (RBD) that is responsible for binding to the host receptor angiotensin-converting enzyme 2 (ACE2) and allowing the virus to enter permissive cells. The predicted molecular weight is 141 kDa. The observed molecular weight may differ from predicted due to post translational modifications.

**Product Type:** Recombinant Protein

**Strain:** Wuhan-Hu-1

**Synonyms:** SARS-CoV2, 2019-nCoV, 2019-nCoV Spike Protein, SARS-CoV-2 Spike protein, SARS-CoV-2 S1+S2, Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)

**Expression Host:** CHO

**Tag:** C- terminal Strep + His + Avi

**Purity:** >95% by SDS-PAGE

**Biosafety Level:** BSL-2

**Applications:** ELISA, Western Blot, SDS-PAGE, immunogen. Specific conditions should be optimized by end user.

**Formulation:** PBS

**Storage:** 4°C for immediate use, -80°C for long-term storage. Avoid repeated freeze thaw cycles.

**Shipped:** Dry Ice

**Intended Use:** For research use only. Not intended for human, therapeutic, or diagnostic use. Buyer may not modify, sell, or transfer product for commercial use without written permission from Eliteimmune.

### References:

1. Wrapp et al. (2012). Cryo-EM structure of the 2019-nCoV spike in the prefusion conformation. Science. 2020.

