

## 32-17098: Recombinant SARS-CoV-2 (2019-nCoV) S1 protein NTD with C-terminal 6 $\times$ His tag

**Alternative Name :** S1 protein NTD, Spike protein S1 NTD, BetaCoV S1-NTD, COVID-19

### Description

Expression Host : HEK293

The protein has a predicted molecular mass of 33.7 kDa after removal of the signal peptide. The apparent molecular mass of S1-NTD-His is approximately 55 kDa due to glycosylation.

SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The spike protein is a type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which accounts for recognizing the cell surface receptor, ACE2. S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell response.

### Product Info

<b>Amount :</b>	50 $\mu$ g
<b>Purification :</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Content :</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
<b>Storage condition :</b>	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

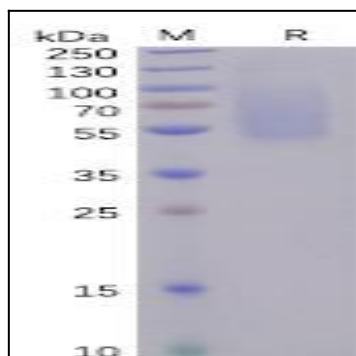


Figure 1. SARS-CoV-2 (2019-nCoV) S1 protein NTD, His Tag on SDS-PAGE under reducing condition.