

32-17103: SARS-CoV-2 Spike-Membrane Recombinant Fusion Protein, His Tag

Uniprot ID : P0DTC2

Alternative Name : S protein, M protein, COVID-19

Description

Expression Host : HEK293

The protein has a predicted molecular mass of 31.2 kDa after removal of the signal peptide.

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

Amount : 50 µg

Purification : The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage condition : Store at -80°C for 12 months (Avoid repeated freezing and thawing)

Amino Acid : S protein (Lys310-Leu560)^{1/4}+Membrane protein^{1/4}Met1-Lys15^{1/4}+6Å—His

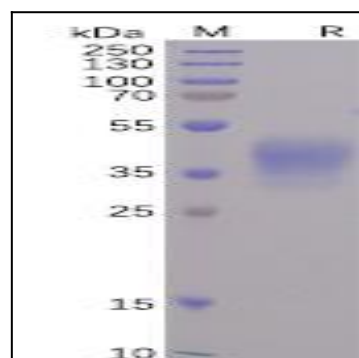


Figure 1. SARS-CoV-2 Spike-Membrane Recombinant Fusion Protein, His Tag on SDS-PAGE under reducing condition.