

## 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)<sup>1/4</sup>+Membrane protein<sup>1/4</sup>Met1-Lys15<sup>1/4</sup>+6Å—His

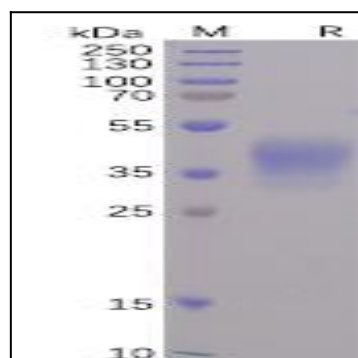


Figure 1. SARS-CoV-2 Spike-Membrane Recombinant Fusion Protein, His Tag on SDS-PAGE under reducing condition.