

## SARS-COV-2 SPIKE-MEMBRANE RECOMBINANT FUSION PROTEIN, HIS TAG

目录: 11302

产品名称: SARS-CoV-2 Spike-Membrane Recombinant Fusion Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: S protein;M protein;COVID-19

**Target:** S protein

**UNIPROT ID:** P0DTC2

**描述:** "Recombinant SARS-CoV-2 Spike-Membrane Fusion Protein

**背景:** 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.

**Species/Host:** HEK293

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

**Molecular Characterization:** S protein (Lys310-Leu560) Membrane protein(Met1-Lys15) 6×His

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

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**储存和运输:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

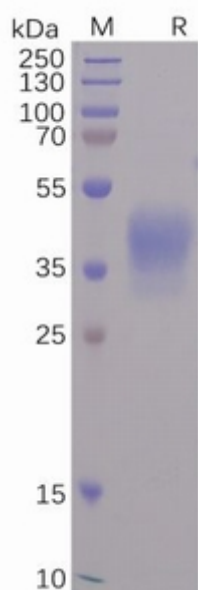


Figure 1. SARS-CoV-2 Spike-Membrane Recombinant Fusion Protein, His Tag on SDS-PAGE under reducing condition.