

**SARS-COV-2 (OMICRON BA.2) S PROTEIN RBD, HFC TAG**

目录: 11560

产品名称: SARS-CoV-2 (Omicron BA.2) S Protein RBD

规格: 10 µg, 50 µg and 100 µg

基因符号: SARS-CoV-2 BA.2 (Omicron) Spike RBD Protein

**Target:** S protein RBD

**UNIPROT ID:** P0DTC2

**描述:** Recombinant SARS-CoV-2 (Omicron BA.2) S-RBD protein with C-terminal human Fc tag

**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 51.4 kDa after removal of the signal peptide. The apparent molecular mass of S-RBD(Omicron BA.2)-hFc is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** S protein RBD(G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, S477N, T478K, E484A, Q493R, Q498R, N501Y, Y505H)(Arg319-Phe541) hFc(Glu99-Ala330)

**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.

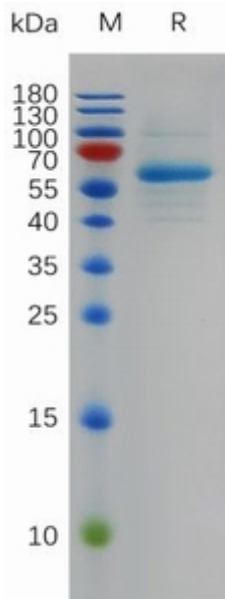


Figure 1. SARS-CoV-2 (Omicron BA.2) S protein RBD, hFc Tag on SDS-PAGE under reducing condition.