

## 32-17963: Recombinant SARS-CoV-2 (Omicron BA.5) S protein RBD, hFc Tag

**Uniprot ID :** P0DTC2

**Alternative Name :** SARS-CoV-2 BA.5 (Omicron) Spike RBD Protein

### Description

Molecular Characterization: S protein RBD(G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N,N440K, L452R,S477N, T478K, E484A,F486V, Q498R, N501Y, Y505H)(Arg319-Phe541) hFc(Glu99-Ala330)

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.5)-hFc is approximately 55-70 kDa due to glycosylation.

Description: Recombinant SARS-CoV-2 (Omicron BA.5) S-RBD protein with C-terminal human Fc tag

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 :** 100 µg / 50 µg

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

**Storage condition :** 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.