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32-17594: Recombinant SARS-CoV-2 (Beta) S protein RBD, hFc Tag

Uniprot ID : P0DTC2
Alternative Name : SARS-CoV-2 B.1.351 (Beta) Spike RBD Protein

Description

Molecular Characterization: S protein RBD(K417N, E484K,N501Y)(Arg319-Phe541) hFc(Glu99-Ala330)
Molecular weight: The protein has a predicted molecular mass of 51.3 kDa after removal of the signal peptide.The apparent molecular mass of RBD(K417N, E484K,N501Y)-hFc is approximately 55-70 kDa due to glycosylation.
Description: Recombinant SARS-CoV-2 S protein RBD(K417N, E484K,N501Y) 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.