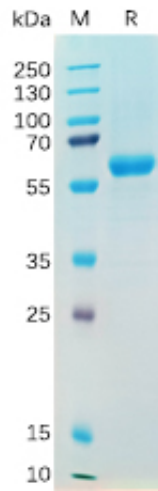


Recombinant COVID-19(Alpha) Spike RBD protein, C-hFc Tag

Product Information

Cat	IMP-2846
Official Symbol	Spike
Product Overview	Recombinant COVID-19(Alpha) Spike RBD protein(319-541aa), fused with C-terminal hFc Tag, was expressed in HEK293.
Expression System	HEK293
Species	COVID-19
Tag	C-hFc Tag
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Molecular Mass	The protein has a predicted molecular mass of 51.3 kDa after removal of the signal peptide. The apparent molecular mass of RBD(N501Y)-hFc is approximately 55-70 kDa due to glycosylation.
Protein length	319-541aa
Purity	The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.
Biological Activity	ELISA plate pre-coated by 2 µg/mL (100 µL/well) SARS-CoV-2 (Alpha) S protein RBD, hFc Tag can bind Human ACE2 Protein, mFc Tag in a linear range of 4.115–1000 ng/mL.
Storage	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.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

SDS-PAGE



Bioactivity-ELISA 1

CoV-2 (Alpha) S-RBD, hFc Tagged protein ELISA

0.2 μ g of CoV-2 (Alpha) S-RBD, hFc tagged protein per well

