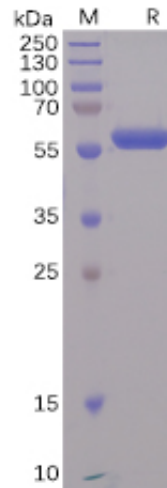


# Recombinant COVID-19 Spike RBD protein, C-mFc Tag

## Product Information

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<b>Cat</b>	IMP-2743
<b>Official Symbol</b>	Spike
<b>Product Overview</b>	Recombinant COVID-19 Spike RBD protein(319-541aa), fused with C-mFc Tag, was expressed in HEK293.
<b>Expression System</b>	HEK293
<b>Species</b>	COVID-19
<b>Tag</b>	C-mFc Tag
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
<b>Molecular Mass</b>	The protein has a predicted molecular mass of 51.3 kDa after removal of the signal peptide.
<b>Protein length</b>	319-541aa
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Biological Activity</b>	ELISA plate pre-coated by 2 µg/ml (100 µl/well) S-RBD, mFc tagged protein can bind Human ACE2, hFc Tagged protein in a linear range of 7.81-87.7 ng/ml.
<b>Storage</b>	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.
<b>Reconstitution</b>	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.
<b>SDS-PAGE</b>	



**Bioactivity-ELI**

**S-RBD, mFc Tagged protein ELISA**

0.2 µg of S-RBD, mFc Tagged protein per well

