

Active Recombinant COVID-19 Spike protein receptor binding domain (RBD), His-tagged

Cat. No. Spike-190V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike protein receptor binding domain (RBD) was fused to His-tag at C-terminus and expressed in human cells.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Arg319-Phe541
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human ACE2 protein (Fc tag) at 2 µg/mL (100 µL/well) can bind SARS-CoV-2/2019-nCoV Spike Protein (RBD, His Tag), the EC50 of SARS-CoV-2/2019-nCoV Spike Protein (RBD, His Tag) is 20-60 ng/mL.
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (RBD, His Tag) consists of 234 amino acids and predicts a molecular mass of 26.54 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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.

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