

# Recombinant SARS-CoV-2 Spike Protein, Biotinylated (RBD-SD1, Avi-RPES0014

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES0014

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 500µg, 50µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** Subject to label value.

**Species:** SARS-CoV-2

**Endotoxin:** Please contact us for more information.

**Synonyms:** 2019-nCoV S RBD Protein,  
2019-nCov RBD Protein

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-Avi-His

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.

**Expression Host:** HEK293 Cells

**Bio-Activity:** 1. Immobilized Recombinant 2019-nCoV Spike Protein (RBD-SD1, His Tag) (Cat#RPES0013) at 5µg/ml (100 µl/well) can bind Recombinant Human ACE-2 Protein (Fc Tag)(Cat#RPES0028). The ED50 of RPES0028 is 76 ng/ml. 2. Immobilized Recombinant 2019-nCoV Spike Protein (RBD-SD1, His Tag) (Cat#RPES0013) at 5µg/ml (100 µl/well) can bind SARS-COV-2 Spike S1 Monoclonal Antibody. The ED50 of SARS-COV-2 Spike S1 Monoclonal Antibody is 2. 2 ng/ml.

**Calculated MW:** 33.2 kDa

**Formulation:** Supplied as a 0.2 µm filtered solution of PBS, pH7.4.

**Observed MW:** 38-45 kDa

**Reconstitution:** -

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Accession:** QHD43416.1

**Source:** HEK293 Cells-derived SARS-CoV-2 Spike protein Arg319-Ser591, with an C-terminal Avi & His

**Sequence:** Arg319-Ser591

**Form:** Liquid

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.