

Recombinant SARS-CoV-2 Spike Protein (RBD, His Tag)

RPES0064

Description

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

SKU: RPES0064

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

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: SARS-CoV-2

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: NCP-CoV RBD Protein, NCP-CoV Spike Protein, NCP-CoV s1 Protein, NCP-CoV s2 Protein, coronavirus spike Protein, cov spike Protein, ncov RBD Protein, ncov s1 Protein, ncov s2 Protein, ncov spike Protein, nove, novel coronavirus RBD Protein, novel coronavirus s1 Protein

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: Immobilized Recombinant Human ACE2 Protein (mFc Tag)(Cat: RPES0051) at 2 µg/mL (100 µL/well) can bind Recombinant 2019-nCoV Spike Protein (RBD, His Tag) (Cat: RPES0064), the EC50 of Recombinant 2019-nCoV Spike Protein (RBD, His Tag)(Cat: RPES0064) is 40-80 ng/mL.

Calculated MW: 26.5 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

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

Observed MW: -

Reconstitution: Please refer to the printed manual for detailed information. Immobilized Recombinant Human ACE2 Protein (mFc Tag) (Cat: RPES0051) at 2 µg/mL (100 µL/well) can bind Recombinant 2019-nCoV Spike Protein (RBD, His Tag)(Cat: RPES0064), the EC50 of Recombinant 2019-nCoV Spike Protein (RBD, His Tag)(Cat: RPES0064) is 40-80 ng/mL.

Accession: YP_009724390.1

Source: HEK293 Cells-derived SARS-CoV-2 SARS-CoV-2 Spike(RBD) protein Arg319-Phe541, with an C-terminal His

Sequence: Arg319-Phe541

Form: Lyophilized powder

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.