

Recombinant SARS-CoV-2 Spike Protein (RBD)

RPES0066

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: RPES0066

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, NCP-CoV Spike, NCP-CoV s1, NCP-CoV s2, RBD, S1, S2, Spike RBD, coronavirus spike, cov spike, ncov RBD, ncov s1, ncov s2, ncov spike, novel coronavirus RBD, novel coronavirus s1, novel coronavirus s2, novel coronavirus spike

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: None

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

Expression Host: HEK293 Cells

Bio-Activity: Immobilized Recombinant 2019-nCoV Spike Protein (RBD)(RPES0066) at 2 µg/mL (100 µL/well) can bind ACE2 Protein, Recombinant Human ACE2 Protein (mFc Tag) (RPES0051), the EC50 of ACE2 Protein, Recombinant Human ACE2 Protein (mFc Tag) (RPES0051) is 20-80 ng/mL.

Calculated MW: 25.1 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.

Observed MW: -

Reconstitution: Please refer to the printed manual for detailed information. Immobilized Recombinant 2019-nCoV Spike Protein (RBD) (RPES0066) at 2 µg/mL (100 µL/well) can bind ACE2 Protein, Recombinant Human ACE2 Protein (mFc Tag) (RPES0051), the EC50 of ACE2 Protein, Recombinant Human ACE2 Protein (mFc Tag) (RPES0051) is 20-80 ng/mL.

Accession: YP_009724390.1

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

Source: HEK293 Cells-derived SARS-CoV-2 SARS-CoV-2 Spike protein Arg319-Phe541

Sequence: Arg319-Phe541

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

Form: Lyophilized powder