

Recombinant SARS-CoV-2 Spike RBD(K417N, E484K, N501Y)(His Tag) RPES7094

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: RPES7094

Purity: > 90 % 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: 2019-nCoV S protein RBD, S protein RBD, SARS-CoV-2 Spike RBD

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 human ACE2 protein (Fc tag)(Cat: RPES1994) at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 (2019-nCoV) Spike RBD(K417N, E484K, N501Y)- His (RPES7094), the EC50 of RPES7094 is 5-40 ng/mL.

Calculated MW: 26.6 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: 35 kDa

Reconstitution: Please refer to the printed manual for detailed information. Immobilized human ACE2

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

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Accession: YP_009724390.1

Source: HEK293 Cells-derived SARS-CoV-2 SARS-CoV-2 Spike RBD(K417N, E484K, N501Y) 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.