

Recombinant SARS-CoV-2 (SARS-CoV-2) S protein RBD (C-mFc-6His RPES7024

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: RPES7024

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

Contents: 100µg, 50µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: SARS-CoV-2

Endotoxin: Please contact us for more information.

Synonyms: COVID-19, S glycoprotein RBD, S protein RBD, Spike glycoprotein Receptor-binding domain, Spike protein 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-mFc-His

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

Expression Host: HEK293 Cells

Bio-Activity: ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human S-RBD, mFc-His tagged protein (RPES7024) can bind Anti-SARS-CoV-2 Neutralizing antibody in a linear range of 0.24-15.62 ng/ml.

Calculated MW: 52.2 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. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human S- RBD, mFc-His tagged protein (RPES7024) can bind Anti- SARS-CoV-2

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

Neutralizing antibody in a linear range of 0.24-15.62 ng/ml. ELISA plate pre-coated by 2 µg/ml (100 µl/well) S-RBD, mFc-His tagged protein (RPES7024) can bind Human ACE2, hFc Tagged protein(RPES0028) in a linear range of 0.488-49.83 ng/ml.

Accession: QHD43416.1

Source: HEK293 Cells-derived SARS-CoV-2 Spike protein Arg319-Phe541, with an C-terminal mFc & 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.