

Recombinant SARS-CoV-2 Spike S1+S2 ECD (ΔHV69-RPES7072

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: RPES7072

Purity: > 85 % 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: SARS-CoV-, coronavirus s1 Protein, coronavirus s2 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: Baculovirus-Insect Cells

Bio-Activity: Immobilized Human ACE2 (mFc tag)(Cat: RPES1994) at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 (2019-nCoV) Spike S1+S2 ECD (HV69-70 deletion, Y144 deletion, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H)- His(RPES7072), the EC50 of RPES7072 is 200-800 ng/mL.

Calculated MW: 134.1 kDa

Formulation: Lyophilized from sterile 20 mM Tris, 300 mM NaCl, 10 % glycerol, pH 8.0. 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 Human ACE2 (mFc tag)(Cat: RPES1994) at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 (2019-nCoV) Spike S1+S2 ECD (HV69-70 deletion, Y144 deletion, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H)- His(RPES7072), the EC50 of RPES7072 is 200-800 ng/mL.

Accession: YP_009724390.1

Source: Baculovirus-Insect Cells-derived SARS-CoV-2 SARS-CoV-2 Spike S1+S2 ECD (ΔHV6 9-70,ΔY144,N501Y,A570D,D614G,P681H,T716I,S982A,D1118H) protein Met1-Pro1213, with an C-terminal His

Sequence: Met1-Pro1213

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.

