

Recombinant SARS-CoV-2 S1 Protein (His Tag)

RPES0059

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: RPES0059

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: 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: C-His

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

Expression Host: Baculovirus-Insect Cells

Bio-Activity: Immobilized Recombinant Human ACE2 Protein (mFc Tag)(Cat: RPES0051) at 2 µg/mL (100 µL/well) can bind Recombinant 2019-nCoV S1 Protein, Biotinylated (His Tag) (Cat: RPES0059), the EC50 of Recombinant 2019-nCoV S1 Protein, Biotinylated (His Tag) (Cat: RPES0059) is 300-700 ng/mL.

Calculated MW: 76.4 kDa

Formulation: Lyophilized from sterile 20 mM Tris, 300 mM NaCl, 10 % glycerol, pH 7.5. 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 Human ACE2 Protein (mFc Tag) (Cat: RPES0051) at 2 µg/mL (100 µL/well) can bind Recombinant 2019-nCoV S1 Protein, Biotinylated (His Tag) (Cat: RPES0059), the EC50 of Recombinant 2019-nCoV S1 Protein, Biotinylated (His Tag) (Cat: RPES0059) is 300-700 ng/mL.

Accession: YP_009724390.1

Source: Baculovirus-Insect Cells-derived SARS-CoV-2 SARS-CoV-2 S1 protein Met1-Arg685, with an C-terminal His

Sequence: Met1-Arg685

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.

