

# Recombinant MERS-CoV Spike/S1 Protein (S1 Subunit, aa 1-725, His RPES6991

## Description

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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

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**SKU:** RPES6991

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

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

**Concentration:** -

**Species:** MERS-CoV

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** MERS-CoV, RBD Protein, S Pr, coronavirus s1 Protein, coronavirus s2 Protein, coronavirus spike Protein, cov spike Protein, ncov RBD Protein, ncov s1 Protein, ncov s2 Protein, ncov spike 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:** HEK293 Cells

**Bio-Activity:** 1. Immobilized Spike Protein S1 (aa 1-725) (Cat: RPES6991) at 10 µg/ml (100 µl/well) can bind biotinylated human DPP4 (Cat: RPES6173). The EC50 of of biotinylated DPP4 (Cat: RPES6173) is 0.6-1.39 µg/ml. 2. Immobilized Spike Protein S1 (aa 1-725) (Cat: RPES6991) at 10 µg/ml (100 µl/well) can bind biotinylated Fc-DPP4 (Cat: RPES2473). The EC50 of biotinylated Fc-DPP4 (Cat: RPES2473) is 0.02-0.05 µg/ml.

**Calculated MW:** 79.9 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.

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

**Observed MW:** 94 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** AFS88936.1

**Source:** HEK293 Cells-derived MERS-CoV MERS-CoV Spike/S1 protein Met1-Glu725, with an C-terminal His

**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

**Sequence:** Met1-Glu725

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

**Form:** Lyophilized powder