

Recombinant Human ACE2 Protein (His Tag)

RPES0050

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: RPES0050

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

Contents: 100µg, 20µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

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

Synonyms: ACE-Related Carboxypeptidase, ACE2, ACEH, Angiotensin-Converting Enzyme 2, Angiotensin-Converting Enzyme Homolog, Metalloprotease MPROT15

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 Recombinant 2019-nCoV Spike Protein (RBD, mFc Tag)(RPES0042) at 2µg/mL (100µL/well) can bind human ACE2 protein (His tag), the EC50 of ACE2 is 20-90ng/ML

Calculated MW: 85.1 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. Immobilized Recombinant 2019-nCoV Spike Protein (RBD, mFc Tag)(RPES0042) at

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

2µg/mL (100µL/well) can bind human ACE2 protein (His tag), the EC50 of ACE2 is 20-90ng/ML Loaded Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD-mFc Protein (RPES0042) on AMC Biosensor, can bind Recombinant Human ACE2 Protein, His Tag (RPES0050) with an affinity constant of 2.46 nM as determined in BLI assay (Sartorius Octet RED384) .

Accession: NP_068576.1

Source: HEK293 Cells-derived Human ACE2 protein Met1-Ser740, with an C-terminal His

Sequence: Met1-Ser740

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.