

Recombinant Human ACE2 Protein (Fc Tag)

RPES2493

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: RPES2493

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-hFc

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

Expression Host: HEK293 Cells

Bio-Activity: 1. Using the Octet RED System, the affinity constant (Kd) of human AEC2-Fc bound to Spike (HCoV-EMC/2012) was 6 nM. 2. Using the Octet RED System, the affinity constant (Kd) of human AEC2-Fc bound to Spike (HCoV-EMC/2012) was 30 nM. 3. Using the Octet RED System, the affinity constant (Kd) of human AEC2-Fc bound to Spike (HCoV-EMC/2012) (ECD, aa 1-1297) was 30 nM. 4. Using the Octet RED System, the affinity constant (Kd) of human AEC2-Fc bound to Spike-His (aa 1-760) was 10 nM.

Calculated MW: 110.3 kDa

Formulation: Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as

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

protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 145-150 kDa

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

Accession: NP_068576.1

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

Source: HEK293 Cells-derived Human ACE2 protein Met 1-Ser 740, with an C-terminal hFc

Sequence: Met 1-Ser 740

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

Form: Lyophilized powder