Recombinant SARS-COV-2 S1 + S2 ECD (S-ECD) Protein with His tag (Mutants introduced)

Catalog No: CARP01260 **Category**: Recombinant Protein

Description: Recombinant SARS-COV-2(2019-nCoV) S1+S2 ECD (S-ECD) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence Cys15-Gln1208 (Pro986,987)(682-685GSAS) of SARS-COV-2 (2019-nCoV) S1+S2 ECD (S-ECD) (Accession #QHD43416.1) fused with a 6×His tag at the C-terminus.

Bio-Activity: Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-COV-2 Spike S1+S2 ECD at 2μg/mL (100 μL/well) can bind Recombinant Human ACE2 with a linear range of 0.15-3.03 ng/mL.

Sequence Information

Species: SARS-COV-2 **Gene ID:** 43740568

Tags: 6×His tag at the C-terminus

Product Information

Synonyms: cov spike Protein; 2019-nCoV;ncov spike Protein; 2019-nCoV;coronavirus spike Protein; 2019-nCoV;S glycoprotein;COVID-19;S protein;Spike glycoprotein

Source: HEK293 cells

Purity: > 97% by SDS-PAGE

Endotoxin: < 1.0 EU/μg of the protein by LAL method.

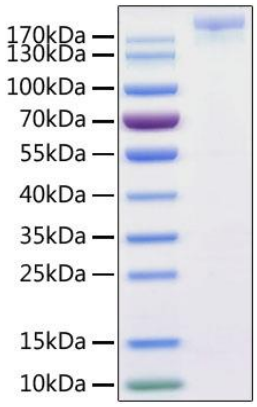
Formulation: Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4 or Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.
Contact us for customized product form or formulation

Reconstitution: For lyophilized protein : Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water

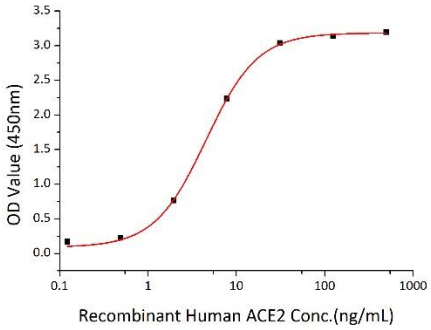
Storage: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
or This product is stable at ≤ -70°C for up to 1 year from the date of receipt.
For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.
Avoid repeated freeze/thaw cycles.

Background

Validated Data



Recombinant SARS-COV-2 S1+S2 ECD (S-ECD) Protein with His tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 170-220 kDa.



Immobilized Recombinant SARS-COV-2 Spike S1+S2 ECD at 2μg/mL (100 μL/well) can bind Recombinant Human ACE2 with a linear range of 0.15-3.03 ng/mL.

Contact Details | Dublin, Ireland
Email: hello@assaygenie.com | Web: www.assaygenie.com