

Recombinant SARS-CoV-2 S1+S2 trimer Protein (C-His Tag)(Omicron) RPES5258

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: RPES5258

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

Contents: 50µg
Bradford Reagent: 1 vial (2ml)

Concentration: Subject to label value.

Species: SARS-CoV-2

Endotoxin: Please contact us for more information.

Synonyms: 2019-nCoV Spike protein trimer, Omicron Spike, S trimer protein, SARS-CoV-2 Spike

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Expression Host: HEK293 Cells

Bio-Activity: Loaded Human ACE-2-Fc(RPES0028) on Protein A Biosensor, can bind SARS- CoV-2 S-trimer V2(Omicron, B.1.1.529)-His(RPES5258) with an affinity constant of 0.29 nM as determined in BLI assay.

Calculated MW: 136.7 kDa

Formulation: Supplied as a 0.2 µm filtered solution of PBS, pH7.4. Loaded Human ACE-2-Fc(RPES0028) on Protein A Biosensor, can bind SARS-CoV-2 S-trimer V2(Omicron, B.1.1.529)-His(RPES5258) with an affinity constant of 0.29 nM as determined in BLI assay.

Observed MW: 150-220 kDa

Reconstitution: -

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

Accession: P0DTC2

Source: -

Sequence: Cys15-Gln1208(A67V, H69del, V70del, T95I, G142D, VYY143-145del, N211del, L212I, ins214EPE, G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H, T547K, D614G, H655Y, N679K, P681H, N764K, D796Y, N856K, Q954H, N969K and L981F)

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.

Form: Liquid