

Certificate of Analysis

Name: SARS-CoV-2 (D614G Mutant) Spike Glycoprotein (Trimeric), His-Tag (CHO)

Product Code: REC31898-100 / REC31898-500 / REC31898-1000

Batch #:

Date of Manufacture:

Product Description: Trimeric SARS-CoV-2 spike protein, with D614G mutation, in prefusion confirmation. C-terminal transmembrane region is replaced with a trimerization domain and a polyhistidine tag. Contains two stabilizing proline mutations and scrambled S1/S2 furin cleavage site (Wrapp et al., 2020).

Expression System: CHO

Accession: MN908947

Strain/Isolate: SARS-CoV-2 Betacoronavirus. Isolate Wuhan-Hu-1

Amino Acids: 3576 amino acids, N-terminus VNLT

Tag: His-tag, C-terminus

Predicted Molecular Weight: ~400 kDa

Amount: 0.1 mg / 0.5 mg / 1.0 mg

Concentration: mg/ml

Purity: >90%

Presentation: Liquid

Buffer: 0.01M PBS, pH 7.4

Endotoxin: <1.0 EU/μg

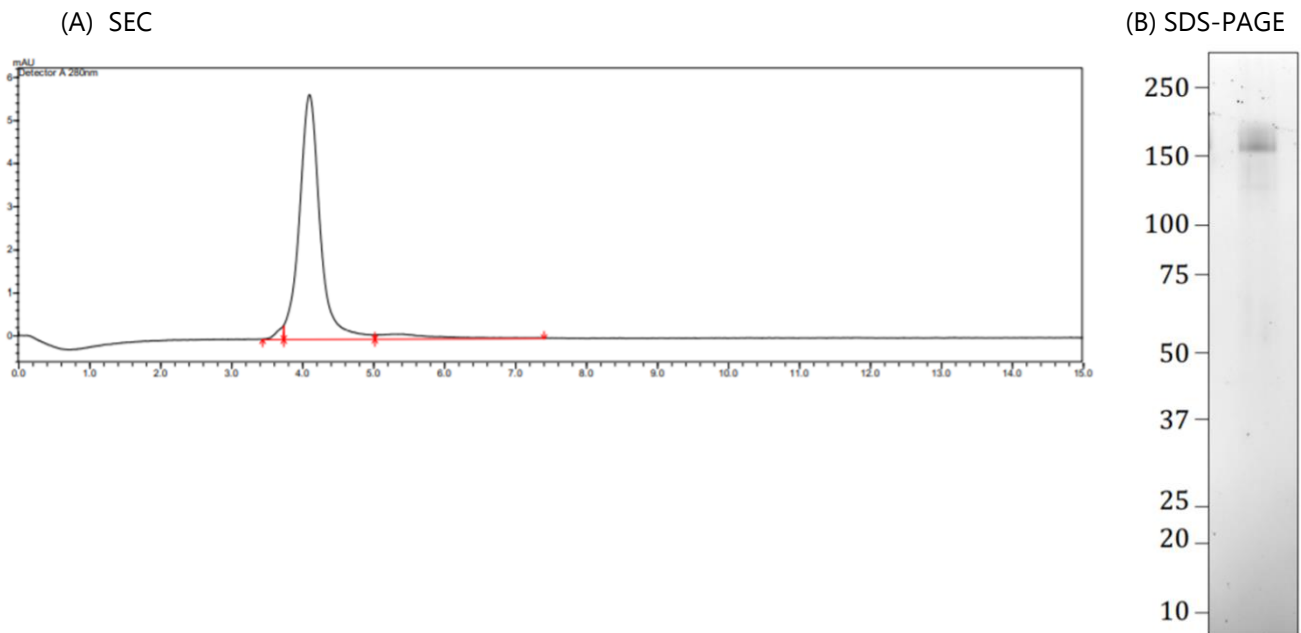
Usage Guidelines

Short Term Storage: -20°C

Long Term Storage: -80°C

General Storage Conditions: Avoid repeated freeze-thaw cycles.

(A) SEC: Verification of purity and size of the recombinant trimeric SARS-CoV-2 D614G Spike Protein under non-denaturing conditions. Size-exclusion chromatography (SEC) plot with peak at 4.0 minutes, corresponding to a size of ~400kD. **(B) SDS-PAGE:** Verification of size and purity and size of trimeric SARS-CoV-2 D614G spike protein under denaturing conditions. 7.5% SDS-PAGE gel with a band corresponding to the size of the spike monomer; ~150 kD.



X

QC

X

QA

Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.

