

Certificate of Analysis

Name: SARS-CoV-2 (B.1.1.7) Stabilized Spike Glycoprotein (Full-Length), His-Strep-Tag (HEK293)

Product Code: REC31924-100 / REC31924-500

Batch #: 21021716P

Date of Manufacture: 17-FEB-2021

Product Description: SARS-CoV-2 HexaPro stabilized Spike glycoprotein containing deletions and amino acid changes in accordance with variant B.1.1.7 ("UK variant"): 69-70del, Y144del, N501Y, A570D, P681H, T716I, S982A, D1118H relative to Wuhan-Hu-1. The polybasic furin cleavage site was changed from "RRAR" to "GSAS" to prevent cleavage of the protein during production. This protein contains 6 amino acid changes to proline and a C-terminal T4 fibrin trimerization domain to stabilize the protein in its pre-fusion conformation as described in Hsieh, Goldsmith et al. 2020.

The protein was produced in HEK293 and purified from culture supernatant.

Expression System: HEK293

Strain/Isolate: B.1.1.7

Amino Acids: 1-1205

Tag: His-Tag, 2 x Strep-Tag, C-Terminus

Expected Molecular Weight: 139 kDa

Observed Molecular Weight: 180 kDa

Amount: 0.1mg / 0.5mg

Concentration: 0.61 mg/ml

Purity: >95%

Presentation: Liquid

Buffer: DPBS

Usage Guidelines

Short Term Storage: -80°C

Long Term Storage: -80°C

Stability: n/d

Freezing: Can be frozen. Avoid repeated freeze/thaw cycles.



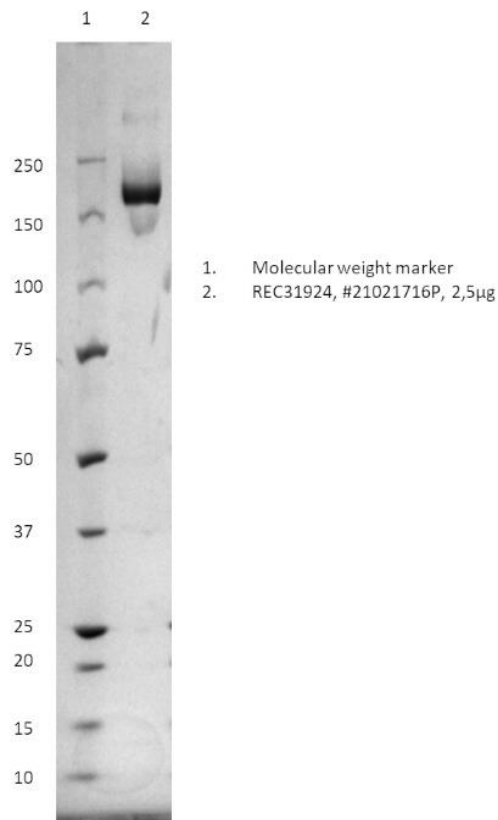
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SDS-PAGE: Coomassie-stained reducing SDS-PAGE showing purified spike protein.



X

QC

X

QA

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

