

Certificate of Analysis

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

Product Code: REC31924-Biotin-100

Batch #:

Date of Manufacture:

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. Protein is conjugated to biotin.

Expression System: HEK293

Strain/Isolate: B.1.1.7

Amino Acids: 16-1205

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

Expected Molecular Weight (Unconjugated): 139 kDa

Observed Molecular Weight (Unconjugated): 180 kDa

Amount: 0.1mg

Concentration: mg/ml

Purity: >95%

Presentation: Liquid

Buffer: PBS+20mM Tris, 1%BSA, trace amounts of ANS and CaCl₂ and 0.1% Proclin 950

Usage Guidelines**Short Term Storage:** -80°C**Long Term Storage:** -80°C**Stability:** Not determined**Freezing:** Can be frozen. Avoid repeated freeze/thaw cycles.**X**

QC

X

QA

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