SARS-CoV-2 Spike S1 B.1.621 (mu)

Catalogue #	P-362-100
Description:	Protein contains amino acids 14-681, mutations T95I, Y144S, Y155N, R346K, E484K, N501Y, D614G, P681H two extra amino acids (AS) in N-terminus and His-6 tag at C-terminus and GSG linker between protein and tag.
Uniprot ID:	P0DTC2
MW:	75.78 kDa
Host:	CHO-based cell line (expressed by QMCF Technology)
Purification:	Purified by Ni-affinity chromatography and gel-filtration from serum-free CHO growth media, sterile filtrated
Purity:	>95%
Concentration:	1 mg/ml
Buffer:	PBS pH 7.4
Endotoxine:	NA
QC:	SDS-PAGE, NanoDrop A280, Analytical SEC, Octet binding to ACE2
Shipping:	Shipped on dry ice.
Storage:	Store at -70°C upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles

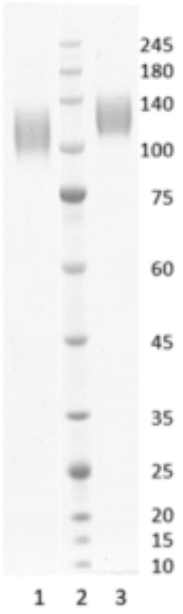

Figure 1. Coomassie-stained SDS-PAGE analysis of SARS-CoV-2 Spike S1 B.1.621. 4-12% gradient gel is used for analysis. Lane 1. 8 µg SARS-CoV-2 Spike S1 B.1.621 (-DTT). Lane 2. Protein marker (Smobio). Lane 3. 8 µg SARS-CoV-2 Spike S1 B.1.621 (+DTT).

Peak Table

Peak #	RT (min)	Area	Area %
1	8.435	5378.77	100.00

Chromatogram

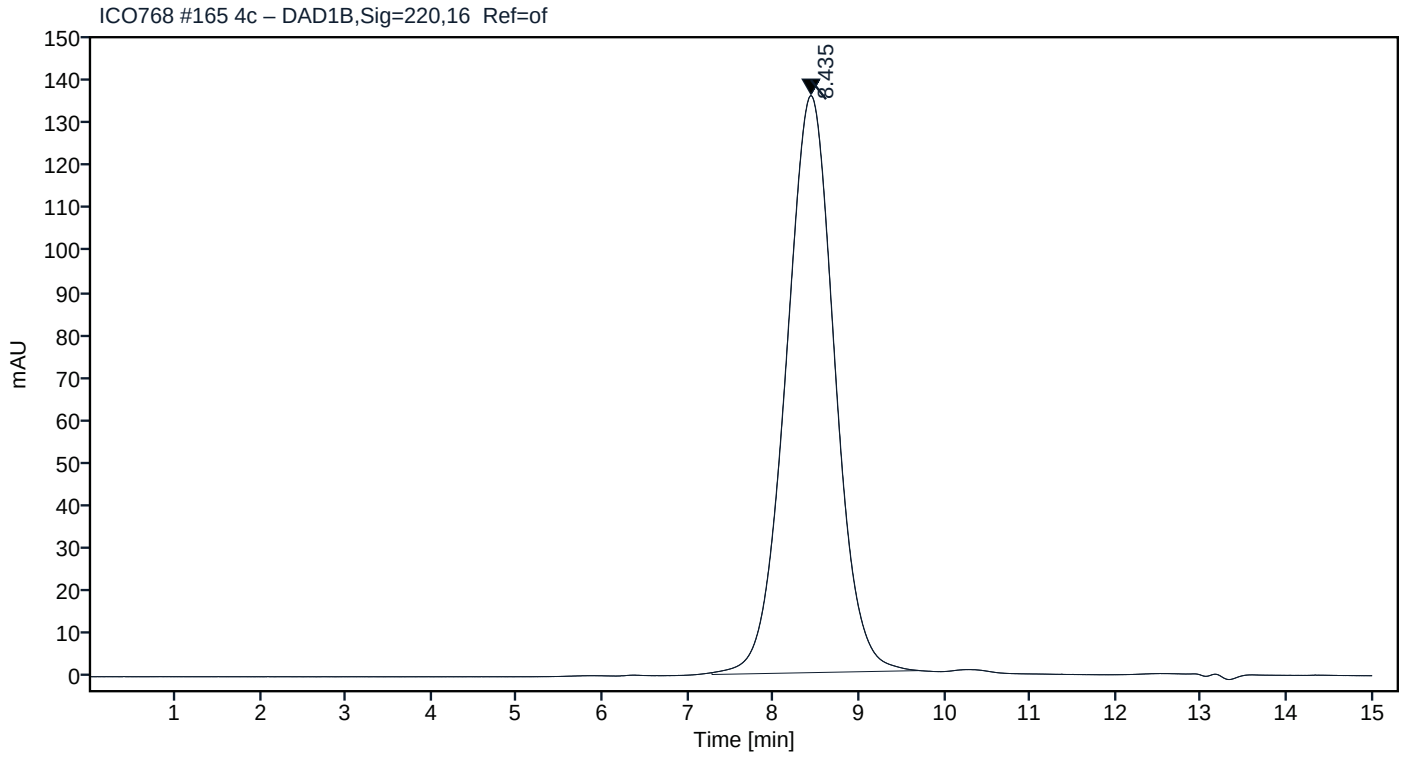

Figure 2. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	8.434	5238.60	100.00

Chromatogram

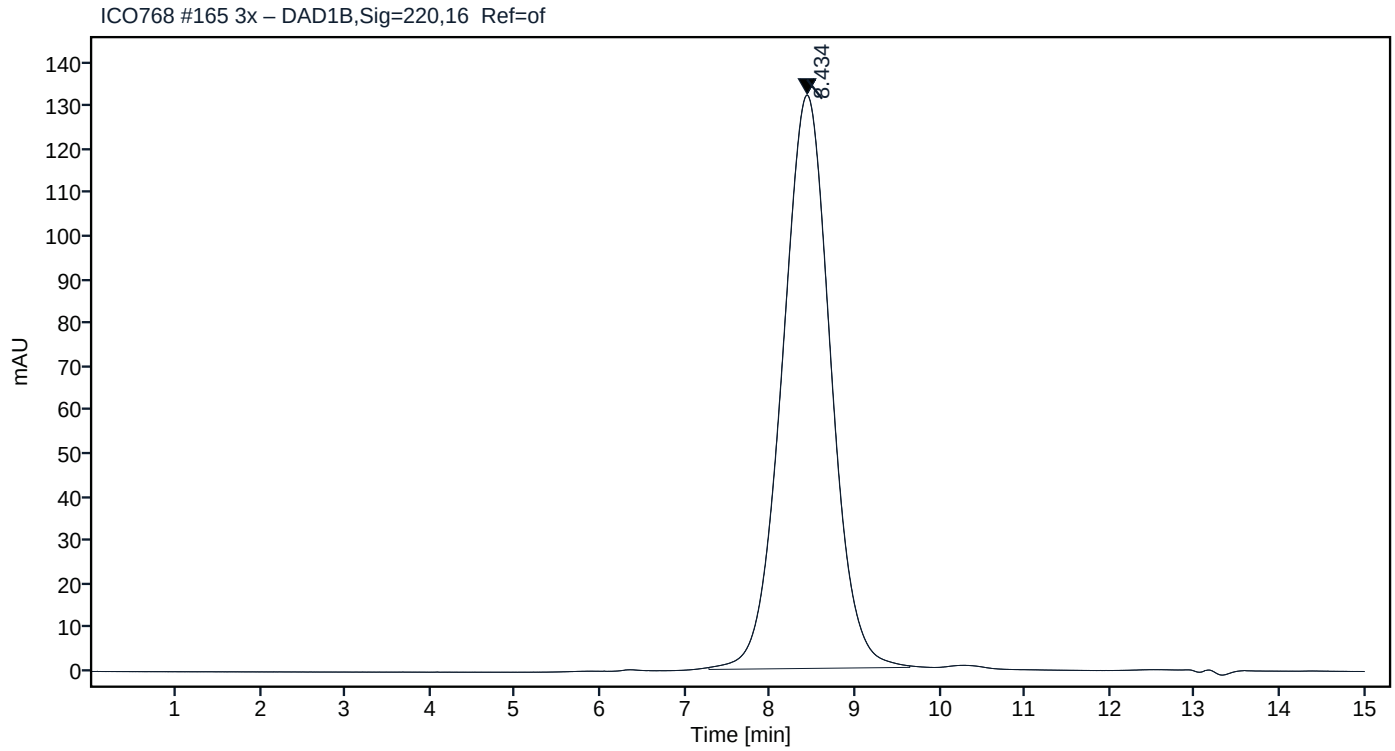

Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.

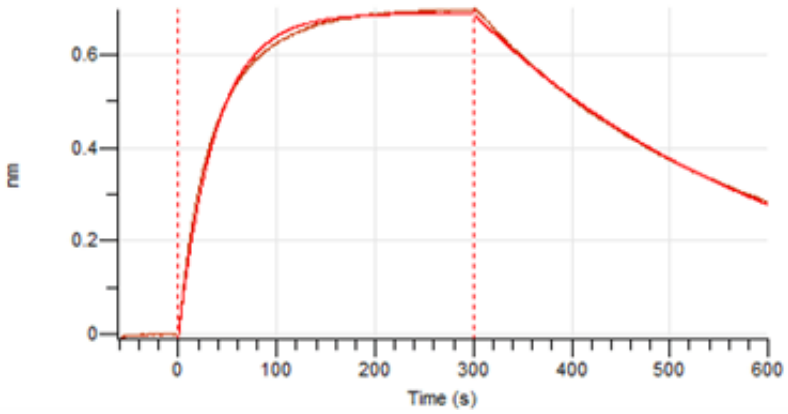

Figure 4. Octet RED96e analysis of SARS-CoV-2 Spike S1 B.1.621 binding to the ACE2 receptor.

(for reference only; data shown are from a single production batch at release and may not be representative of other batches)