SARS-CoV-2 Spike S1 C.37 (lambda)

Catalogue #	P-358-100
Description:	Protein contains amino acids 14-681, mutations G75V, T76I, del 246-252, L452Q, F490S, D614G, 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:	75.1 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
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

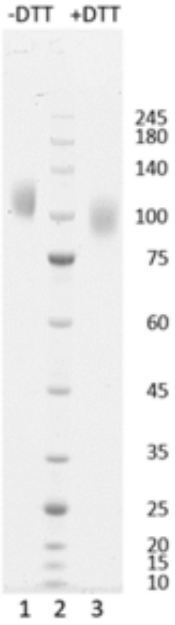

Figure 1. Coomassie-stained SDS-PAGE analysis of SARS-CoV-2 Spike S1 C.37. 4-12% gradient gel is used for analysis. Lane 1. 0.8 µg SARS-CoV-2 Spike S1 C.37 (-DTT). Lane 2. Protein marker (Smobio). Lane 3. 0.8 µg SARS-CoV-2 Spike S1 C.37 (+DTT).

Peak Table

Peak #	RT (min)	Area	Area %
1	7.219	5426.24	98.76
2	8.350	68.16	1.24

Chromatogram

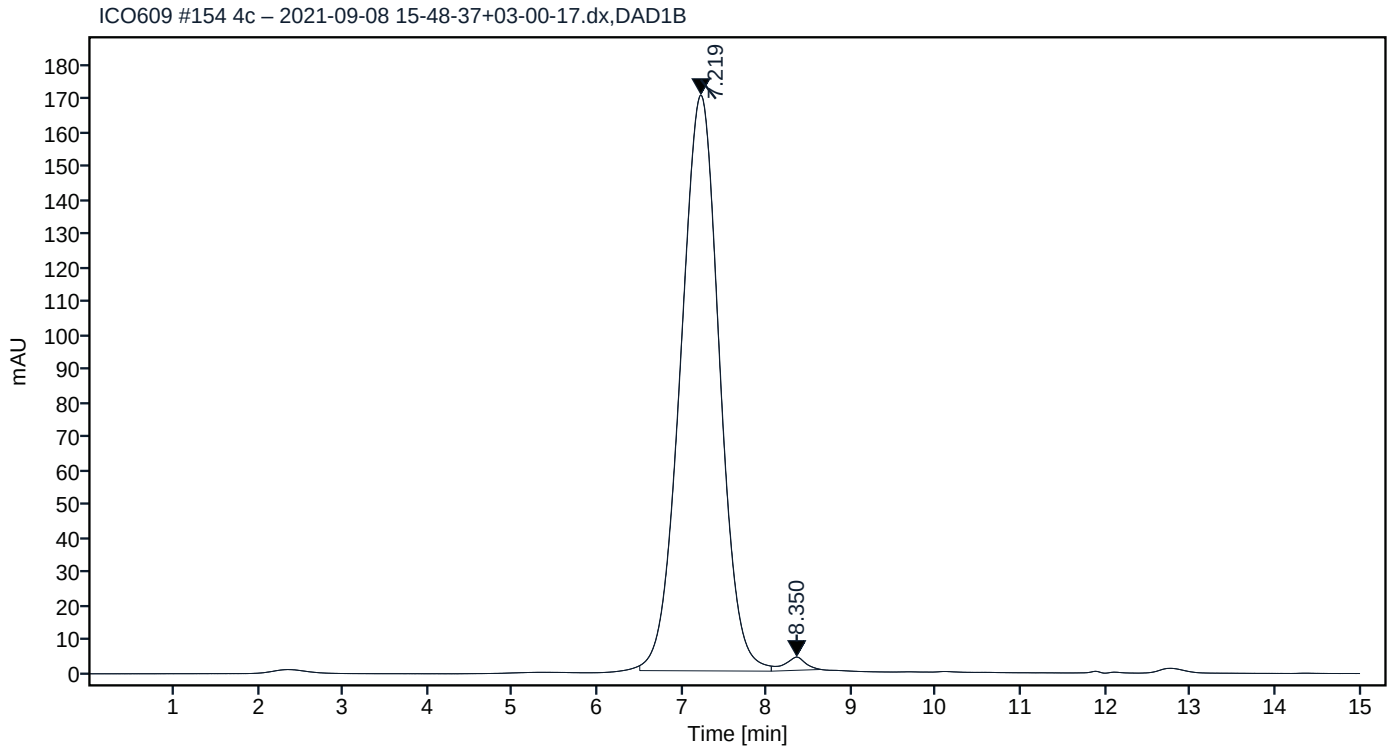

Figure 2. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	7.219	5425.18	98.77
2	8.348	67.70	1.23

Chromatogram

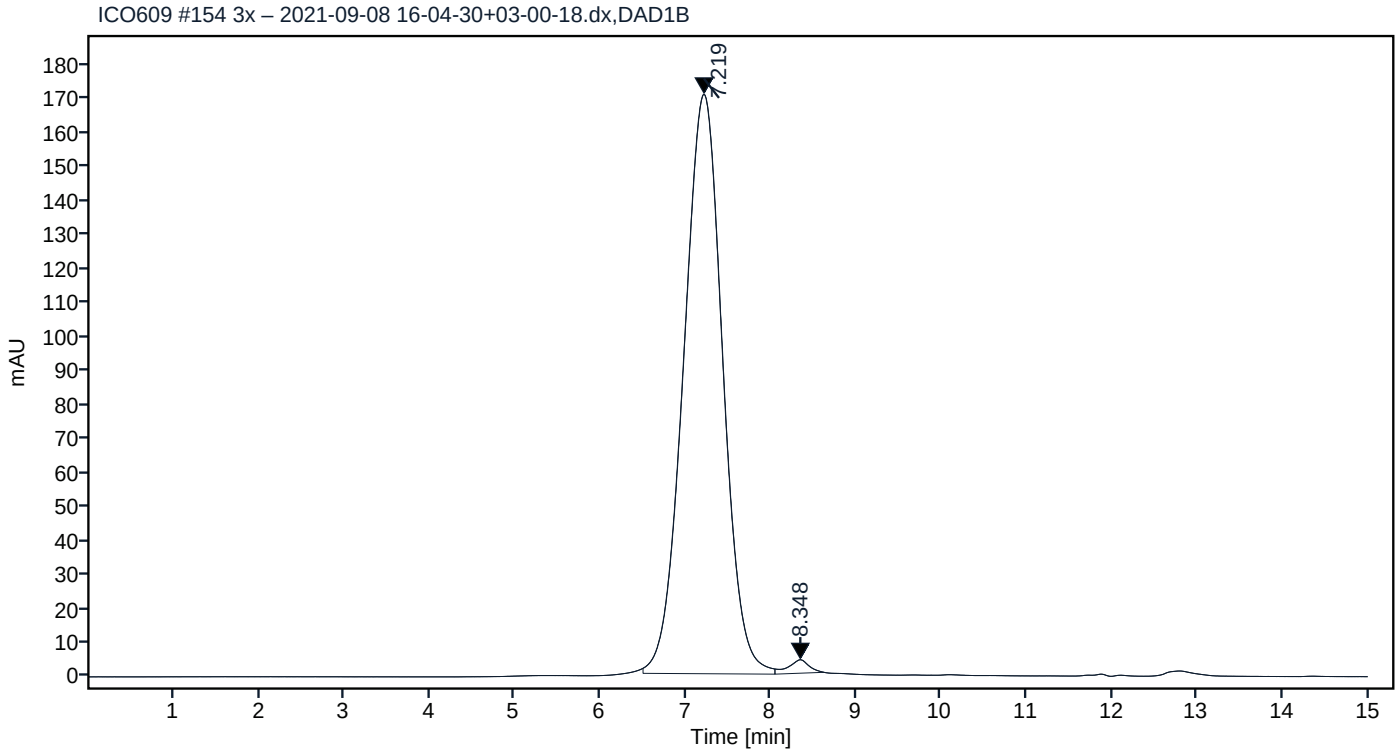

Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.

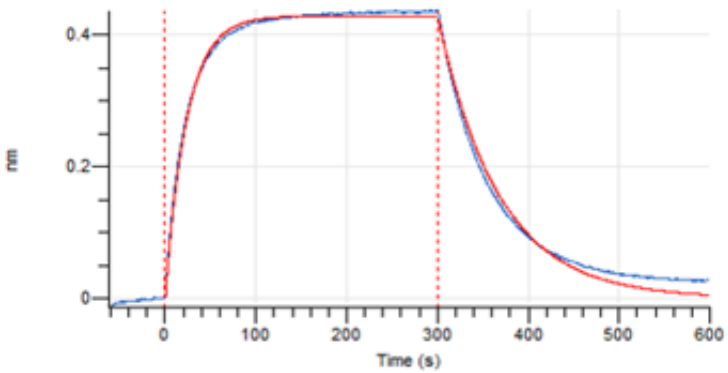

Figure 4. Octet RED96e analysis of SARS-CoV-2 Spike S1 C.37 binding to the ACE2 receptor.