SARS-CoV-2 Trimeric Spike

Catalogue #	P-309-100
Description:	Protein contains amino acids 14-1211, plus two extra amino acids (AS) in N-terminus, trimerization domain and His-6 tag at C-terminus, GS linker between protein and trimerization domain and GSG linker between trimerization domain and His-tag. Furin cleavage (RRAR) site between Spike S1 and S2 is mutated (GSAS). Also, two stabilizing prolines (PP) have been added to the S2 domain.
Uniprot ID:	P0DTC2
Source:	Human
MW:	417.33 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:	1mg/ml
Buffer:	PBS pH 7.4
Endotoxine:	NA
QC:	SDS-PAGE, analytical SEC
Shipping:	Shipped on dry ice
Storage:	Store at -70°C. Avoid multiple freeze-thaw cycles

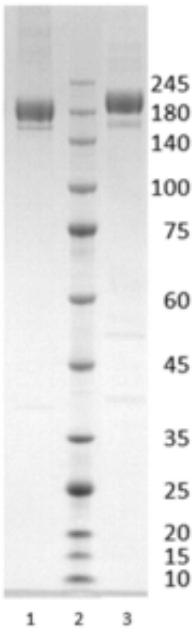

Figure 1. Coomassie-stained SDS-PAGE analysis of SARS-CoV-2 Trimeric Spike. 4-12% gradient gel is used for analysis. Lane 1.3 µg SARS-CoV-2 Trimeric Spike (-DTT). Lane 2. Protein marker (Smobio). Lane 3. 1.3 µg SARS-CoV-2 Trimeric Spike (+DTT).

Peak Table

Peak #	RT (min)	Area	Area %
1	12.084	937.30	3.42
2	12.754	26507.89	96.58

Chromatogram

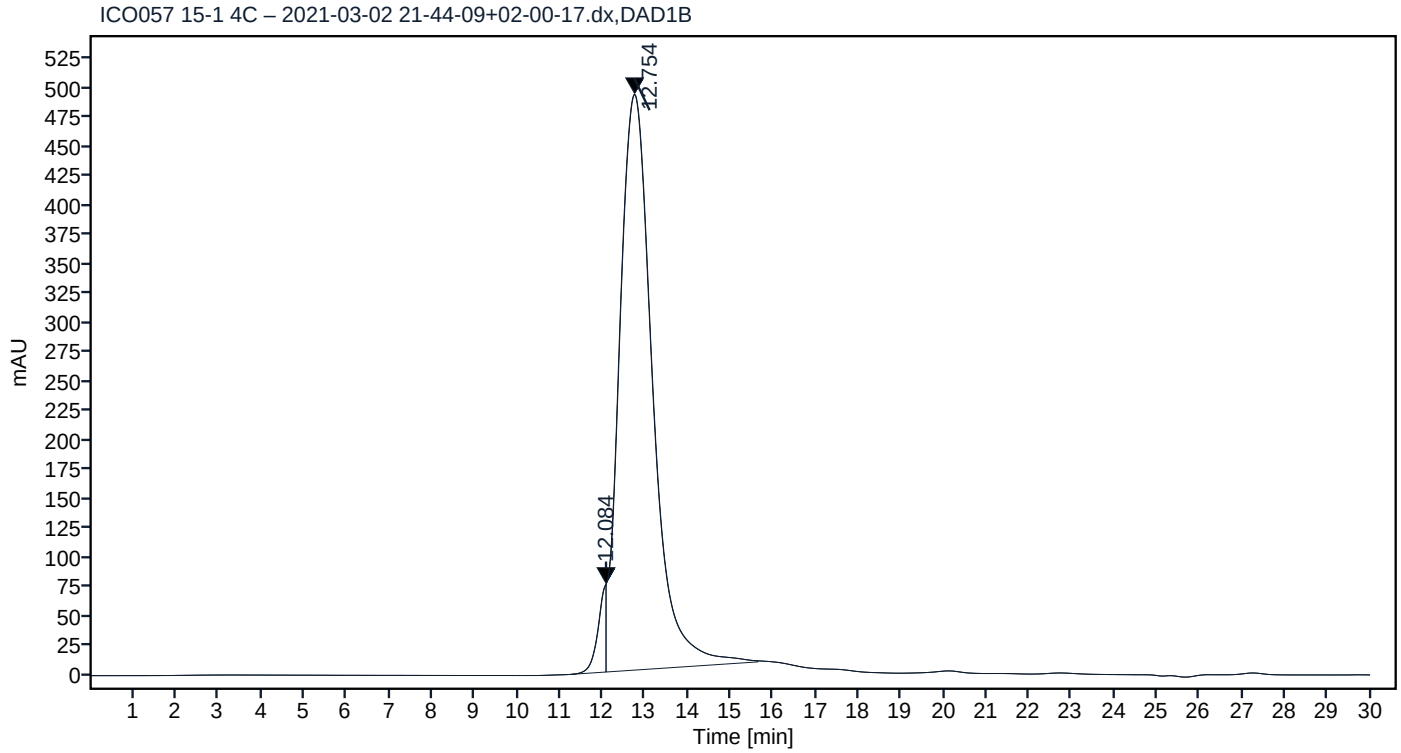

Figure 2. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	12.010	2727.47	11.51
2	12.749	20964.70	88.49

Chromatogram

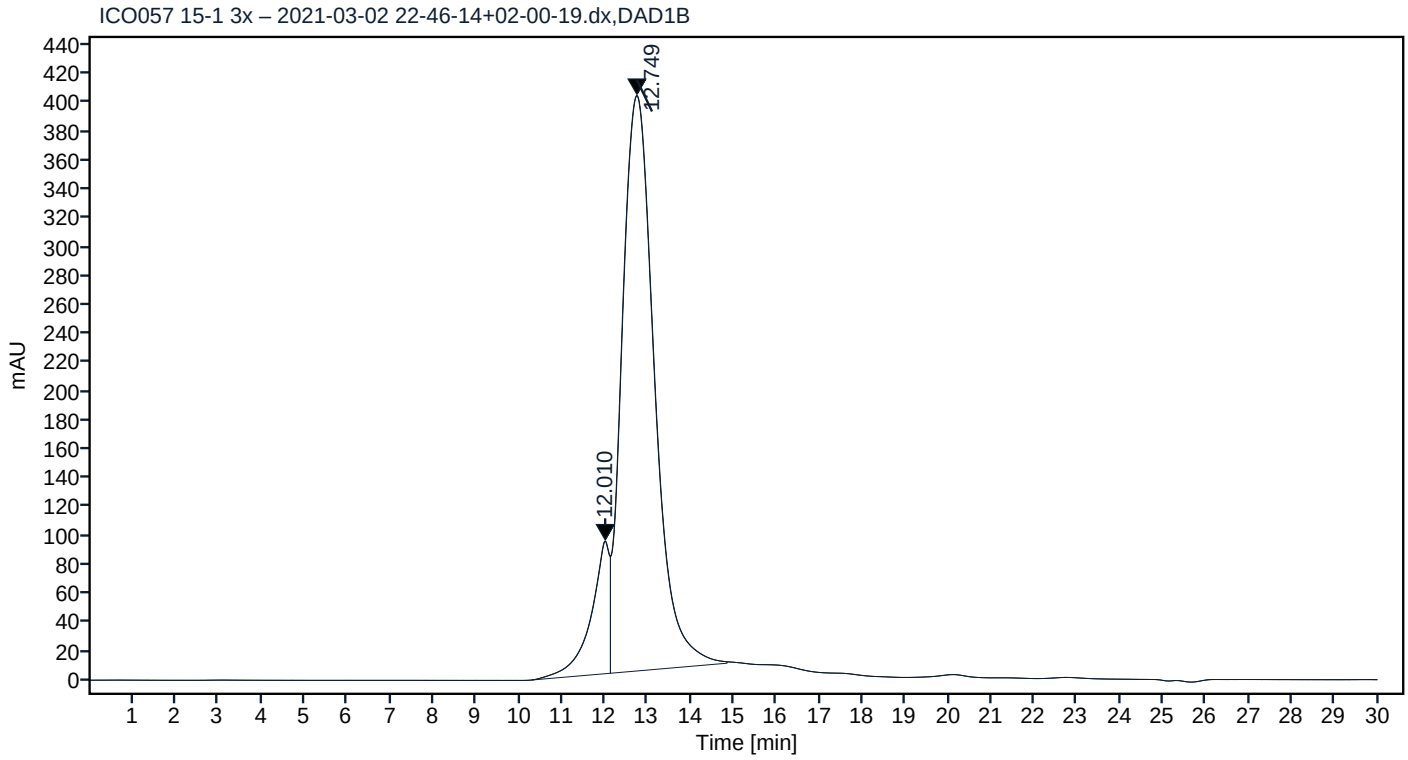

Figure 3. HPLC analytical SEC for final product after 3 freeze-thaw cycles.