



SARS-Cov-2 Spike S1, CHO

Catalogue #	P-305-100
Description:	cDNA encodes SARS-CoV-2 surface protein (YP_009724390.1) Protein contains amino acids 14-681, two extra amino acids (AS) in N-terminus and His-6 tag at C-terminus, GSG linker between protein and tag.
MW:	76.26 kDa
Host:	CHO-based cell line (expressed by QMCF Technology)
Purification:	Metal-affinity chromatography following gel filtration. Protein is sterile-filtrated through 0.22 µm filter.
Purity:	>90%
Concentration:	1 mg/ml
Buffer:	PBS pH 7.4
Endotoxine:	NA
Bioproperties:	Measured by its binding ability to ACE2 protein by OCTET RED96 system.
QC:	SDS-PAGE NanoDrop A280, Octet binding to ACE2 receptor, analytical SEC
Shipping:	Shipped on dry ice
Storage:	Store at -70°C upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles
Custom price	Custom quantity - ask quotation

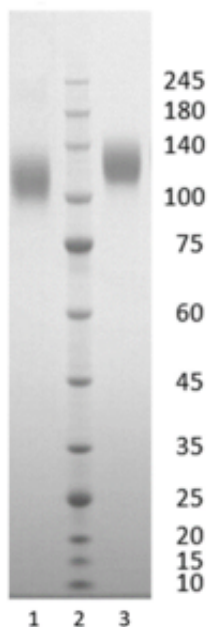


Figure 1. Coomassie-stained SDS-PAGE analysis of SARS-COV-2 S1. 4-15% gradient gel is used for analysis. Lane 1. 1.3 μ g SARS-CoV-2 Spike S1 (-DTT). Lane 2. Protein marker (Smobio). Lane 3. 1.3 μ g SARS-CoV-2 Spike S1 (+DTT).

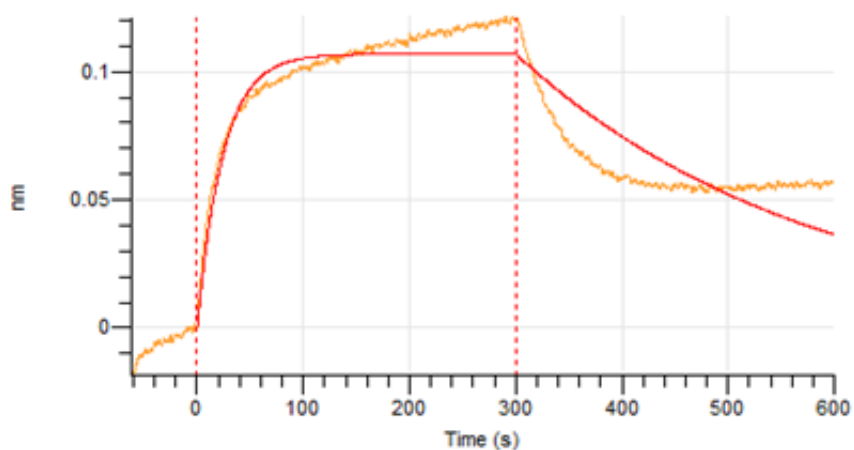


Figure 2. Octet RED96e analysis of SARS-CoV-2 S1 protein binding to the ACE2 receptor.

Peak Table

Peak #	RT (min)	Area	Area %
1	6.927	5228.89	100.00

Chromatogram

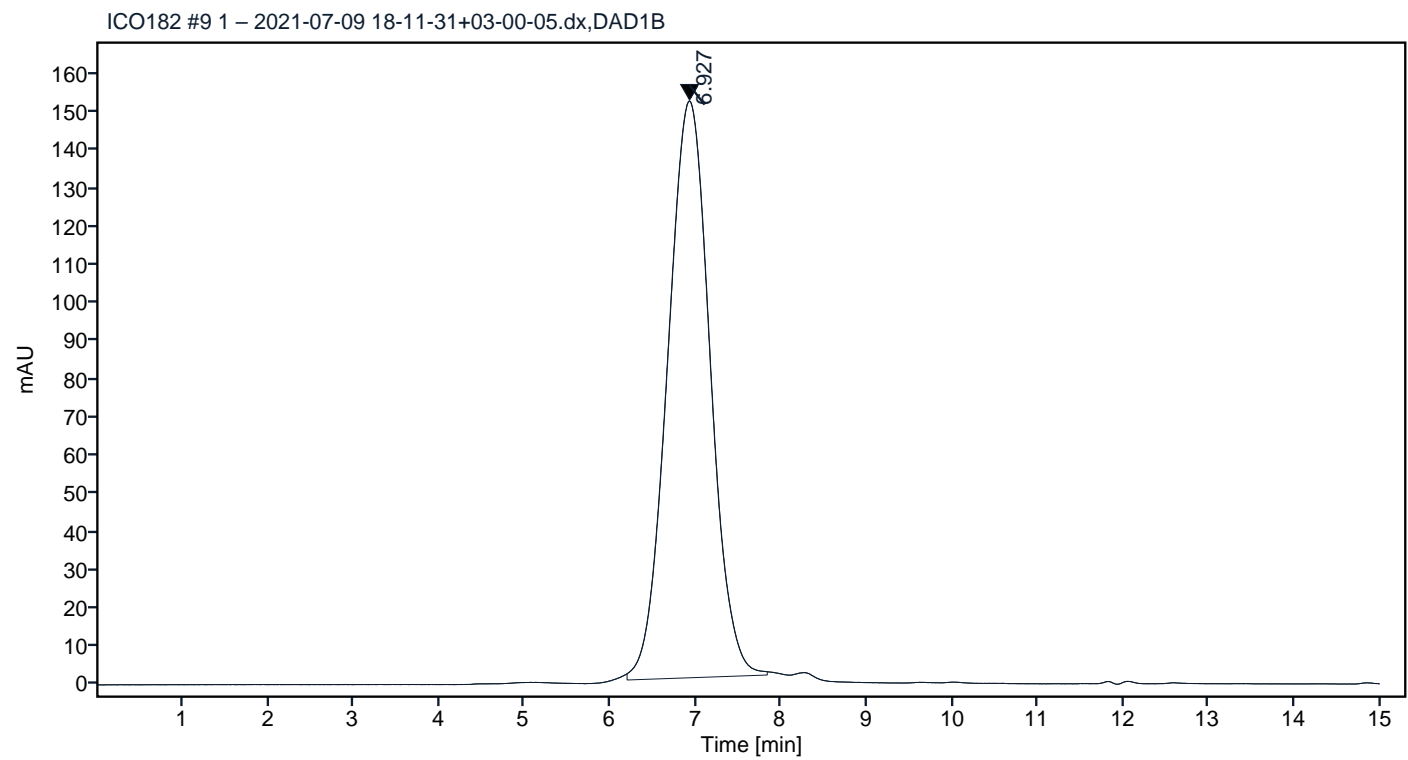


Figure 3. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	6.925	5058.05	100.00

Chromatogram

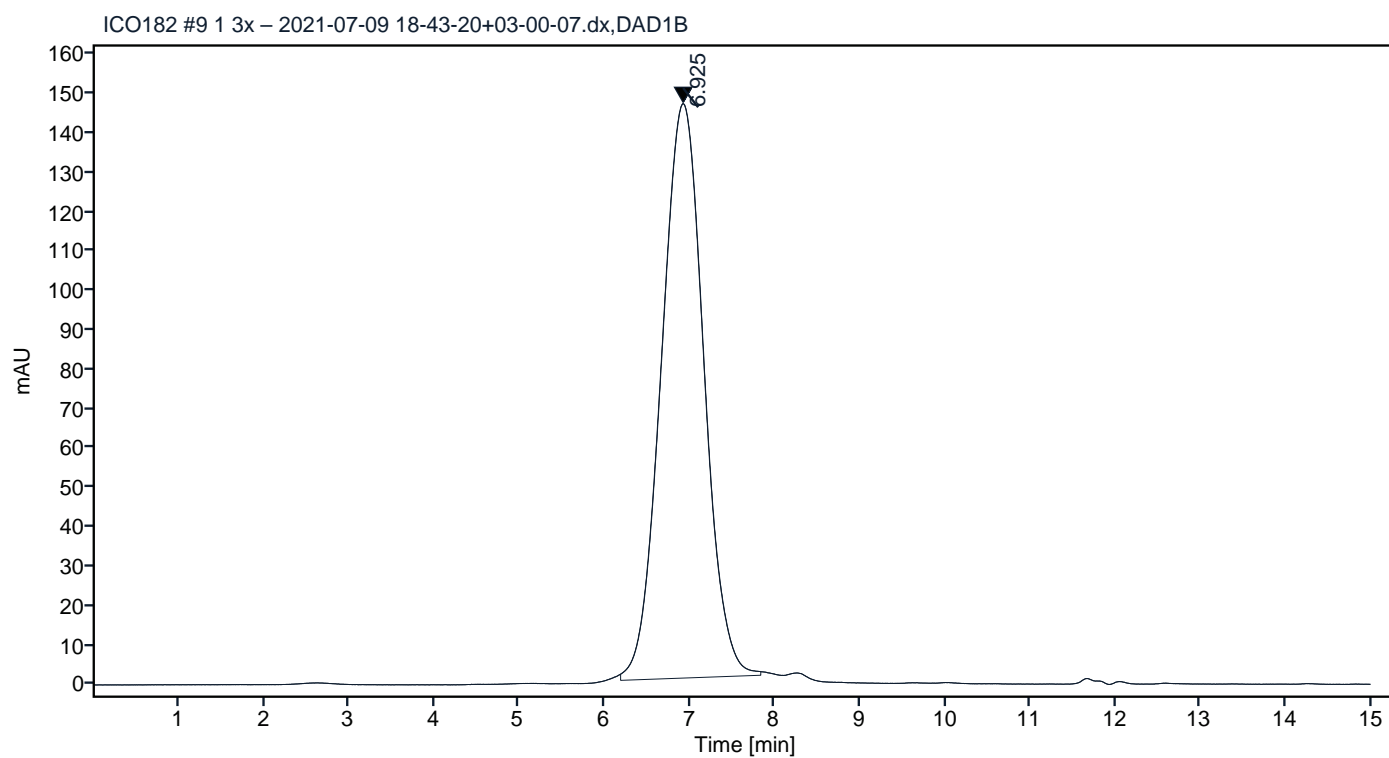


Figure 4. HPLC analytical SEC after 3 freeze-thaw cycles.