



SARS-CoV-2 Nucleocapsid protein Omicron (B.1.1.529)

Catalogue #	P-364-100
Description:	Protein contains amino acid changes R203K, G204R, P13L ja del31-33. Plus two extra amino acids (AS) in N-terminus and His-6 tag at C-terminus in the protein and GSG linker between protein and tag.
Uniprot ID:	P0DTC9
MW:	46.3 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
Shipping:	Shipped on dry ice.
Storage:	Store at -70°C upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles

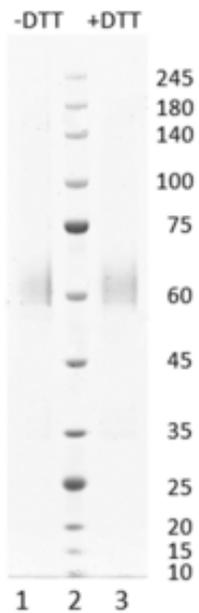
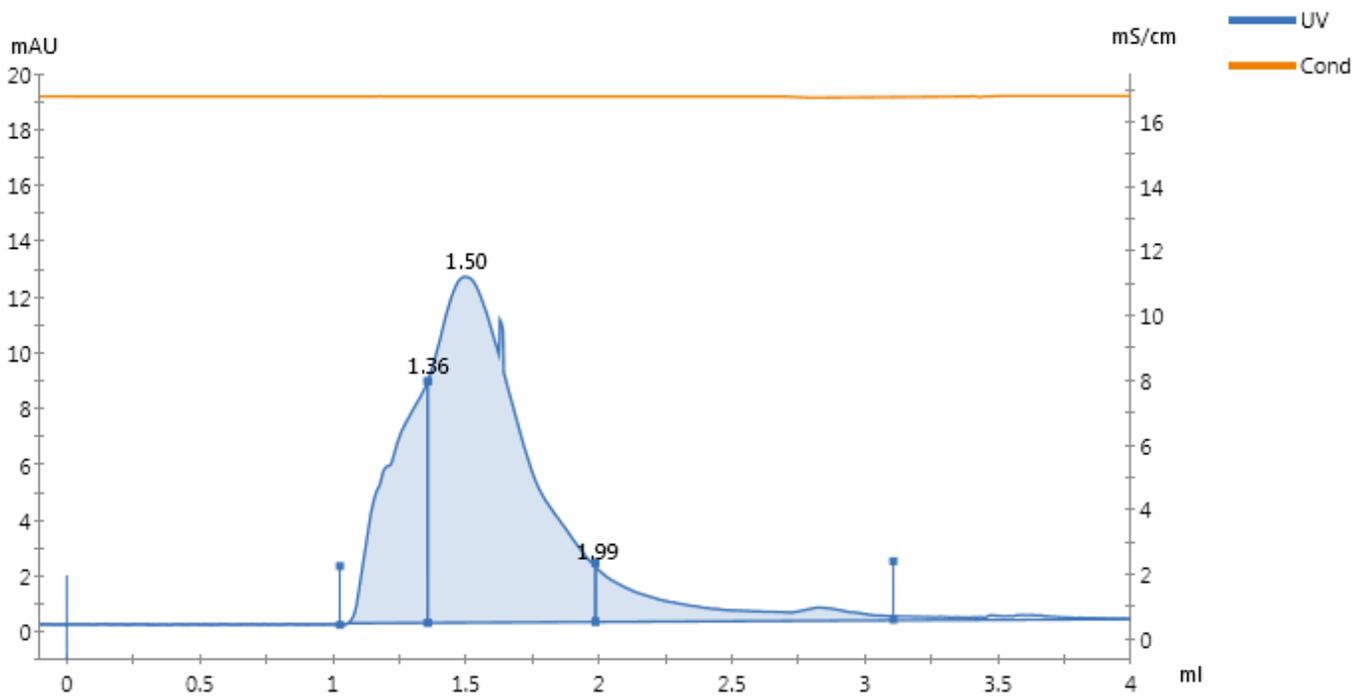


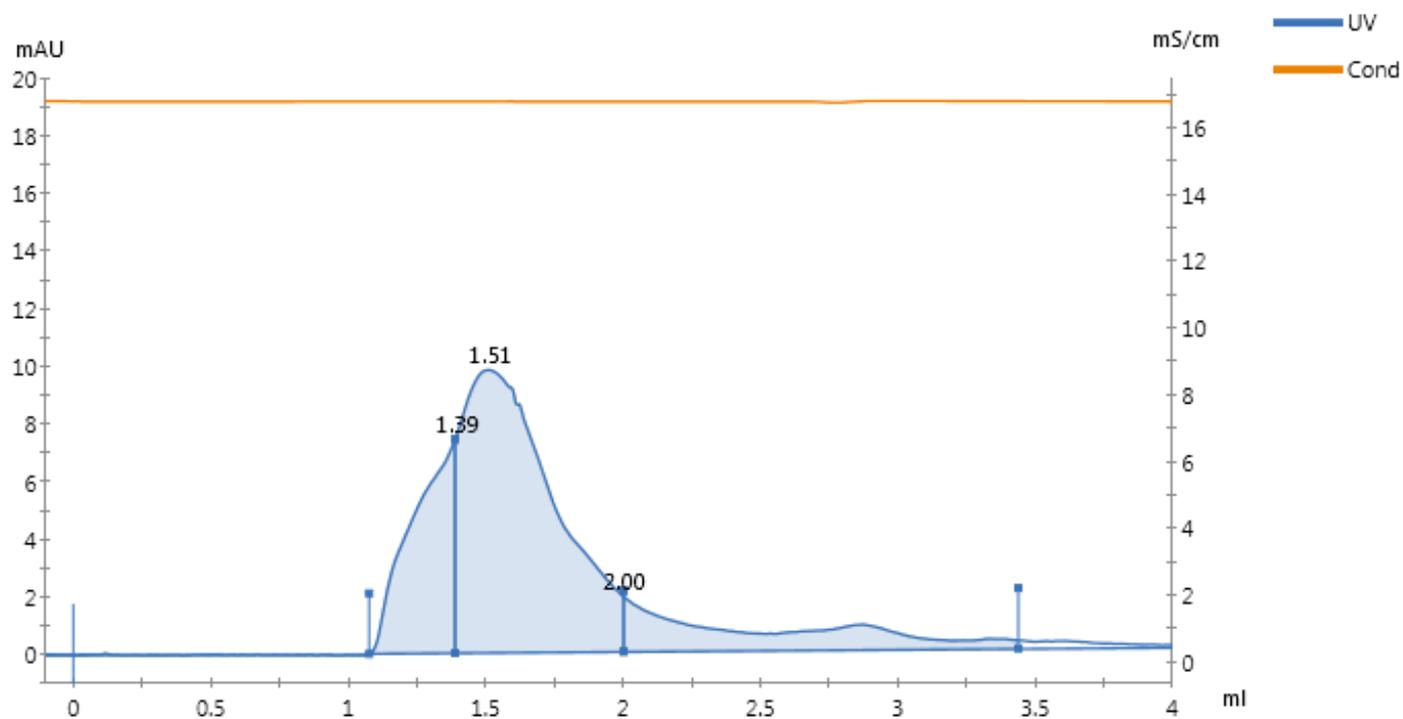
Figure 1. Simply Blue Safe Stain SDS-PAGE analysis of SARS-CoV-2 Nucleocapsid protein Omicron (B.1.1.529). 4-15% gradient gel is used for analysis. Lane 1. 0.8 µg SARS-CoV-2 Nucleocapsid protein Omicron (B.1.1.529) (-DTT). Lane 2. Protein marker (Smobio). Lane 3. 0.8 µg SARS-CoV-2 Nucleocapsid protein Omicron (B.1.1.529) (+DTT).



Peak Table - UV

Peak	Retention ml	Area ml*mAU	Area %	Ext coeff.  mg ml ⁻¹ cm ⁻¹
Peak A	1.357	1.526	 22.13	
Peak B	1.495	4.738	 68.73	
Peak C	1.987	0.6298	 9.14	

Figure 2. HPLC analytical SEC for final product.



Peak Table - UV

Peak	Retention ml	Area ml*mAU	Area %	Ext coeff.  mg ml ⁻¹ cm ⁻¹
Peak A	1.389	1.316	 21.44	
Peak B	1.510	3.834	 62.47	
Peak C	2.002	0.9875	 16.09	

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