

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

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| 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 |

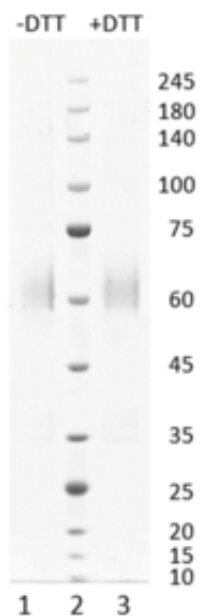
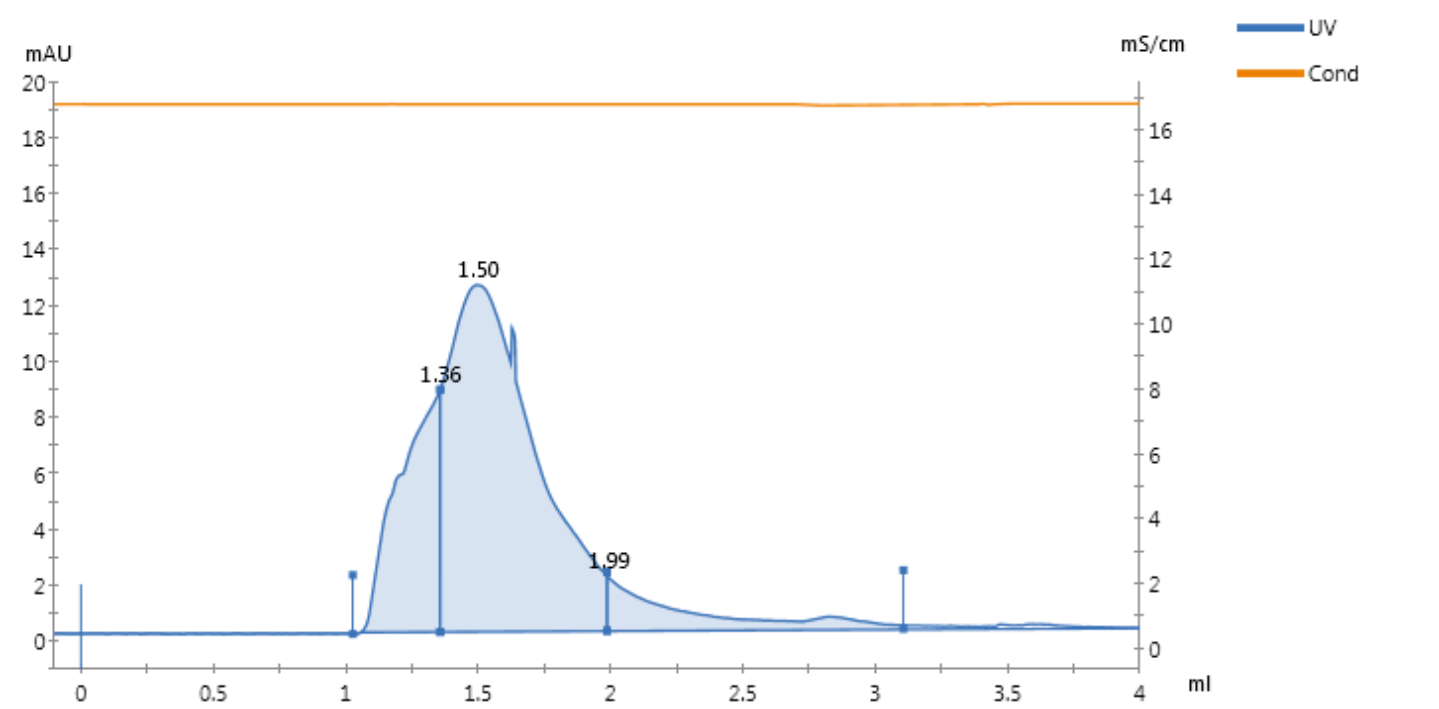


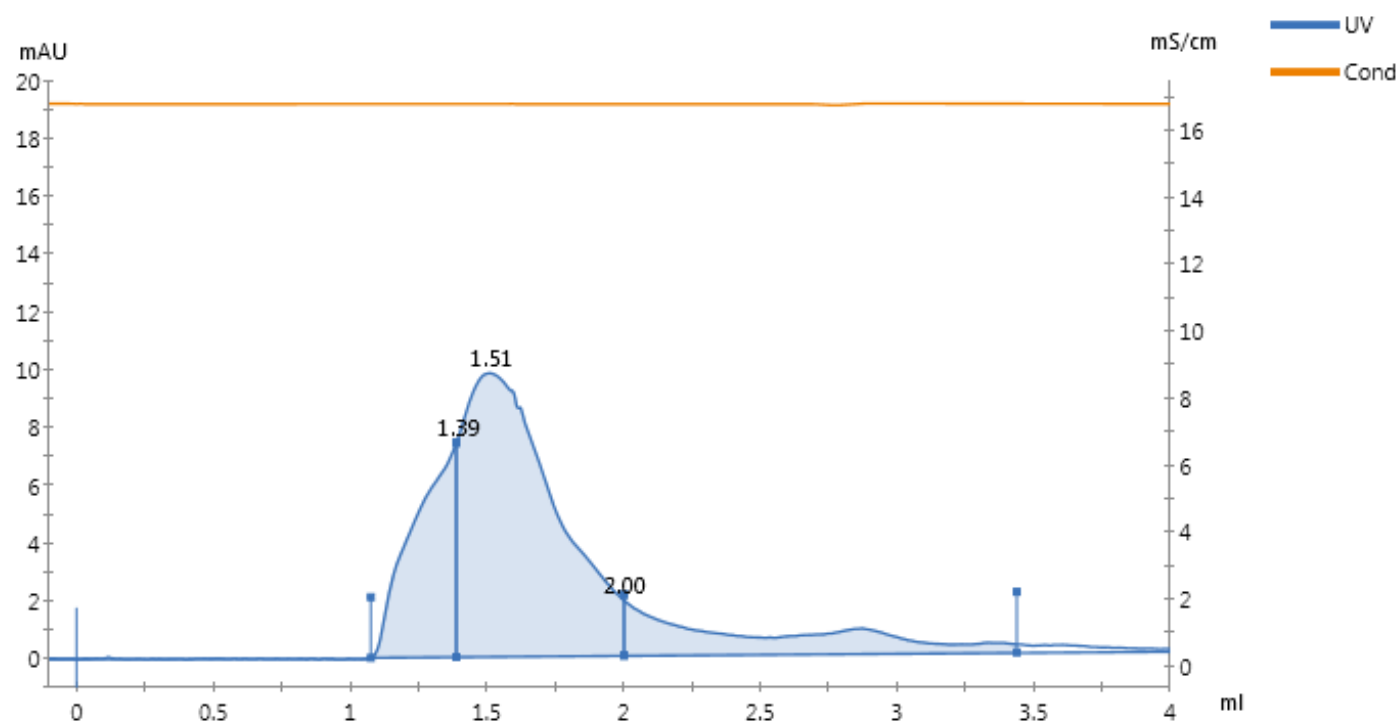
Figure 1. Simply Blue Safe Stain SDS-PAGE analysis of SARS-CoV-2 Nucleocapsid protein Omicron (B.1.1.529). 4-15% gradient gel is used for analysis. Lane 1. 0.8 µg SARS-CoV-2 Nucleocapsid protein Omicron (B.1.1.529) (-DTT). Lane 2. Protein marker (Smobio). Lane 3. 0.8 µg SARS-CoV-2 Nucleocapsid protein 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 | <div><div></div></div> 22.13 | | |
| Peak B | 1.495 | 4.738 | <div><div></div></div> 68.73 | | |
| Peak C | 1.987 | 0.6298 | <div><div></div></div> 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 | <div><div></div></div> 21.44 | | |
| Peak B | 1.510 | 3.834 | <div><div></div></div> 62.47 | | |
| Peak C | 2.002 | 0.9875 | <div><div></div></div> 16.09 | | |

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