

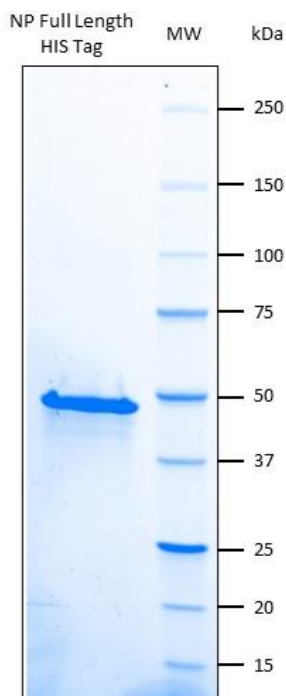
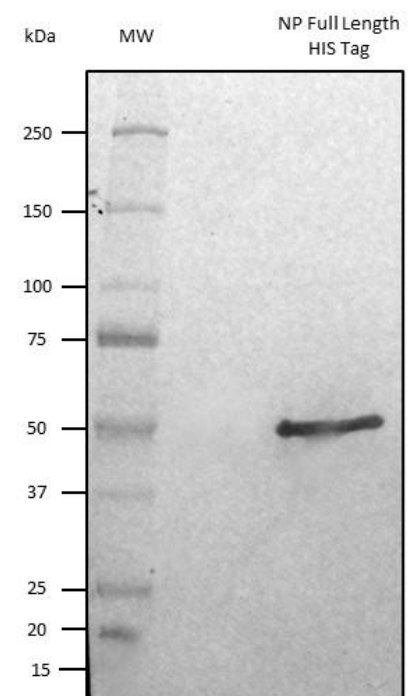
## DESCRIPTION

<i>Description</i>	Recombinant Human Coronavirus SARS-CoV-2 Nucleoprotein NCBI Accession Number: MN908947
<i>Sequence</i>	Met1-Ala419
<i>Expression System</i>	<i>E. coli</i>
<i>Tag</i>	HIS Tag C-Terminus
<i>Purification</i>	Affinity chromatography
<i>Extinction coefficient</i>	43890 M <sup>-1</sup> .cm <sup>-1</sup> Abs 0.1% (=1 g/l) 0.998 assuming all pairs of Cys residues form cystines
<i>Predicted Molecular Weight</i>	46.5 kDa

## SPECIFICATIONS

<i>SDS Page</i>	Approx. 47 kDa
<i>Concentration</i>	0.4 mg/ml
<i>Size</i>	100µg
<i>Purity</i>	>95% by SDS PAGE
<i>Formulation</i>	Tris Hcl 20 mM pH 8.0 ; NaCl 150 mM
<i>Endotoxins</i>	Negative on cell-based assay
<i>Activity</i>	Recognized by Covid-19 positive patients serum samples.
<i>Stability and Storage</i>	Store at -20°C. Avoid repeated freeze-thaw cycles Stable one week at 2 to 8°C after reconstitution under sterile conditions Stable 12 months -20°C to -80°C after reconstitution under sterile conditions

## DATA

SDS-PAGE 4-15% under reducing conditions and visualized by Coomassie blue staining showing a band at approx. 47 kDa	Western Blot: NP HIS Tag detected with Covid-19 positive patient serum
	

Rec SARS CoV-2 NP 725-H17 Version 2 18092020

### SARS-CoV-2 Nucleoprotein

Nucleoprotein (N protein) is one of four structural proteins of Coronavirus (SARS-Cov, SARS-Cov-2, MERS amongst other). The N protein primary function is to package the viral SARS-Cov-2 RNA genome within the viral envelope to form the helical nucleocapsid.

N protein is highly expressed in infected cells from the first days if infection by SARS-Cov-2.

### RELATED PRODUCTS

Code	Products	Quantity
705-H17-0BU	Nucleoprotein His Tag produced in CHO cells	100 µg
715-H17-0BU	Nucleoprotein His Tag produced in HEK293 cells	100 µg
705-H16-0BU	Spike RBD His Tag produced in CHO cells	100 µg
715-H16-0BU	Spike RBD His Tag produced in HEK293 cells	100 µg
857.140.000	Anti S1 Domain Spike protein monoclonal antibody (SARS-CoV-2) – Clone CR3022- Azide free	200 µg/200 µl
857.140.005	Anti S1 Domain Spike protein monoclonal antibody (SARS-CoV-2) Clone CR3022 - Azide free	500 µg/500 µl
857.150.000	Anti Nucleoprotein monoclonal antibody (SARS-CoV-2) – Clone CR3018- Azide free	200 µg/200 µl
857.150.005	Anti Nucleoprotein monoclonal antibody (SARS-CoV-2) – Clone CR3018- Azide free	500 µg/500 µl

Products Manufactured and Distributed by:

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