

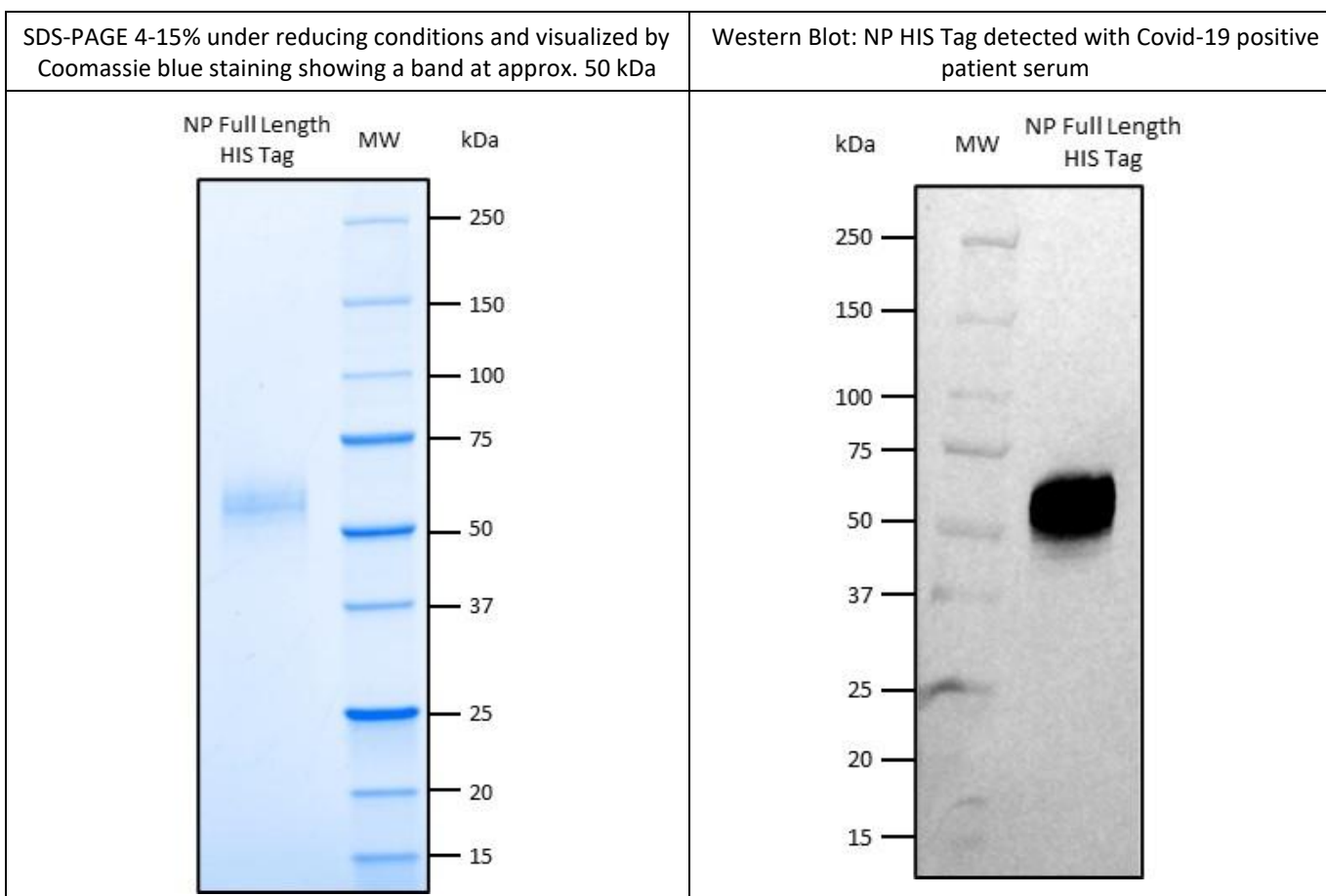
DESCRIPTION

<i>Description</i>	Recombinant Human Coronavirus SARS-CoV-2 Nucleoprotein (NP) NCBI Accession Number: MN908947
<i>Sequence</i>	Met1-Ala419
<i>Expression system</i>	HEK293 cells
<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) 0.943 assuming all pairs of Cys residues form cystines
<i>Predicted Molecular Weight</i>	46.5 kDa

SPECIFICATIONS

<i>SDS Page</i>	Approx. 50 kDa
<i>Concentration</i>	1 mg/ml
<i>Size</i>	100µg
<i>Purity</i>	>95% by SDS PAGE
<i>Formulation</i>	PBS
<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

DATA



## SARS-CoV-2 Nucleoprotein

Nucleoprotein (N protein/ Nucleocapsid 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 a major immunogen and is highly expressed in infected cells at the early stage of infection.

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Rec SARS CoV-2 NP 715-H17-0BU

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