

## SARS-CoV-2 Nucleocapsid Protein

Catalogue No.: abx160073

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2/COVID-19) Nucleocapsid Protein (NP) is a recombinant protein expressed in HEK293 cells.

The SARS-CoV-2 Nucleoprotein (also known as Nucleocapsid Protein or N Protein) is a protein that binds to the RNA in the viral particle. Changes to two amino acids in the nucleoprotein are thought to contribute to the virus' ability to infect humans; this mutation allows the virus to reduce the binding capability of an HLA-C allele found in many Europeans. The nucleoprotein is the second most-common protein in SARS-CoV-2 targeted by the immune system, after the spike protein.

<b>Target:</b>	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Nucleocapsid Protein
<b>Origin:</b>	Virus
<b>Expression:</b>	Recombinant
<b>Tested Applications:</b>	ELISA, WB, LF
<b>Host:</b>	HEK293 cells
<b>Recommended dilutions:</b>	Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Form:</b>	Liquid
<b>Purity:</b>	≥ 90% (SDS-PAGE)
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Store unopened at -80 °C. Working aliquots can be prepared and stored at or below -20 °C for up to 3 months. Avoid repeated freeze/thaw cycles.
<b>Sequence:</b>	Full length.
<b>Tag:</b>	DYKDDDDK tag.
<b>Buffer:</b>	0.1 M glycine, 50 mM Tris chloride, 150 mM sodium chloride, pH 7.4. Does not contain preservatives.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. This product is shipped with dry ice.

# Datasheet

Version: 6.0.0

Revision date: 24 May 2025



**Directions for use:** Centrifuge before opening to ensure complete recovery of vial contents.

For Reference Only