

# Recombinant SARS-CoV-2 NP NTD domain (His Tag)

Catalog Number:PKSR030486



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

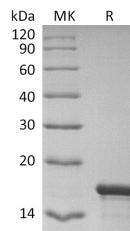
## Description

<b>Synonyms</b>	2019-nCoV coronavirus NP Protein;2019-nCoV np Protein;2019-nCoV novel coronavirus Nucleoprotein Protein
<b>Species</b>	SARS-CoV-2
<b>Expression Host</b>	E.coli
<b>Accession</b>	QHD43423.2
<b>Calculated Molecular Weight</b>	15.9 kDa
<b>Observed molecular weight</b>	16 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu\text{g}$ of the protein as determined by the LAL method.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at $-20^{\circ}\text{C}$ .
<b>Formulation</b>	Supplied as a $0.2 \mu\text{M}$ filtered solution of PBS, 2M Urea, pH 7.4.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

## For Research Use Only

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