

# Recombinant SARS-CoV-2 N Protein biotinylated(N-6His-Avi)



Catalog Number:PKSV030311

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

## Description

<b>Synonyms</b>	SARS-CoV-2 coronavirus NP Protein;SARS-CoV-2 np Protein;SARS-CoV-2 novel coronavirus
<b>Species</b>	SARS-CoV-2
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met1-Ala419
<b>Accession</b>	QHD43423.2
<b>Calculated Molecular Weight</b>	51.3 kDa
<b>Observed molecular weight</b>	55-60 kDa
<b>Tag</b>	N-His-Avi
<b>Bioactivity</b>	Immobilized 2019-nCoV NP Antibody (6G9)at 5µg/ml (100 µl/well) can bind 2019-nCoV Nucleocapsid Protein-His-Avi(PKSV030311). The ED50 of PKSV030311 is 92 ng/ml.

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Store at < -20°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°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50mM Tris-HCl, 150mM NaCl, 50mM Arginine, pH 7.5
<b>Reconstitution</b>	Not Applicable

## 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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