

# Biotinylated SARS-COV-2 Nucleocapsid Protein

Cat. No. COV-VE4NPB

Description	
Source	Recombinant Biotinylated SARS-COV-2 Nucleocapsid Protein is expressed from E.coli with His tag and Avi tag at the N-Terminus. It contains Ser2-Ala419.
Accession	QHD43423.2
Molecular Weight	The protein has a predicted MW of 48.9 kDa. The protein migrates to 50-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

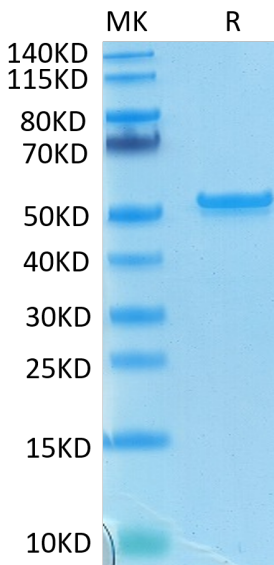
Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in 50mM Tris, 500mM NaCl, 10% Glycerol (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Background**

Nucleocapsid protein (N) is the major viral structural component; its main function is to protect and encapsidate the viral RNA forming viral RNP complex. It is encoded by the S segment vRNA and is abundantly expressed in the cytoplasm of infected cells.

## Assay Data

### Bis-Tris PAGE



Biotinylated SARS-COV-2 Nucleocapsid on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.