SARS-COV-2 Nucleocapsid Protein CTD Domain Protein

Cat. No. CTD-VE4NP

Description

Source	Recombinant SARS-COV-2 Nucleocapsid Protein CTD Domain Protein is expressed from E.coli with His tag and Avi tag at the N-Terminus.
	It contains Gly243-Pro364.
Accession	QHD43423.2
Molecular Weight	The protein has a predicted MW of 17 kDa same as 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

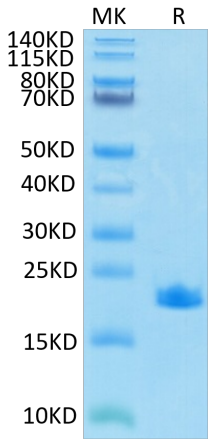
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.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



SARS-COV-2 NP CTD Domain on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.