Recombinant 2019-nCoV NP CTD domain

Catalog No: DRA41

Description	Recombinant 2019-nCoV NP CTD domain is produced by our E.coli expression system with a 6His tag at the N-terminus.
Expression System	E.coli
Alternative name	2019-nCoV coronavirus NP Protein; 2019-nCoV np Protein; 2019-nCoV novel coronavirus Nucleoprotein Protein
Accession No.	QHD43423.2
Predicted Molecular Weight	16.2kDa
Apparent Molecular Weight	16kDa, reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, 2M Urea, pH 7.4.
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
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.