ELK Biotechnology

Recombinant SARS-CoV-2 NP CTD domain

Catalog #	EPT042
Expression Host	E.coli
DESCRIPTION	Recombinant SARS-CoV-2 NP CTD domain is produced by our E.coli expression system with a 6His tag at the N-terminus.
Accession	QHD43423.2
Synonyms	2019-nCoV coronavirus NP Protein; 2019-nCoV np Protein; 2019-nCoV novel coronavirus Nucleoprotein Protein
Mol Mass	16.2kDa
AP Mol Mass	16kDa, reducing conditions
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin	
FORMULATION	Supplied as a 0.2 μm filtered solution of PBS, 2M Urea, pH 7.4
RECONSTITUTION	

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SHIPPING The product is shipped on dry ice pack.Upon receipt, store it immediately at the temperature listed below.

STORAGE Reconstituted protein solution should be stored at ≤ -20°C.

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.

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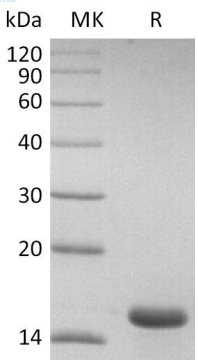

SDS-PAGE

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