



Recombinant SARS-CoV-2 Nucleocapsid Protein

| | |
|------------------------|--|
| Catalog # | EPT266 |
| Expression Host | E.coli |
| DESCRIPTION | Recombinant SARS-CoV-2 Nucleocapsid Protein is produced by our E.coli expression system and the target gene encoding Met1-Ala419 is expressed 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 | 49.4kDa |
| AP Mol Mass | 50-60kDa, reducing conditions |
| Purity | Greater than 95% as determined by reducing SDS-PAGE. |
| Endotoxin | |
| FORMULATION | Supplied as a 0.2 μ m filtered solution of 20 mM Tris-HCl, 300 mM NaCl, 10 % glycerol, 1mM EDTA, pH |





8.0

RECONSTITUTION

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 $\leq -20^{\circ}\text{C}$.

BACKGROUND

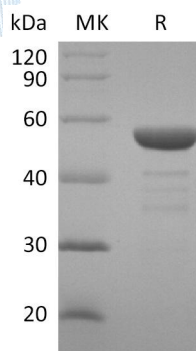
Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays 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.





ELK Biotechnology

SDS-PAGE



+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei, P.R.C