

## Recombinant 2019-nCoV Nucleocapsid Protein

Catalog No: #AP89517

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## Description

Product Name	Recombinant 2019-nCoV Nucleocapsid Protein
Brief Description	Recombinant Proteins
Host Species	E.coli
Purification	Greater than 95% as determined by reducing SDS-PAGE.
Other Names	2019-nCoV coronavirus NP Protein; 2019-nCoV np Protein; 2019-nCoV novel coronavirus Nucleoprotein Protein
Accession No.	Uniprot ID: QHD43423.2
Calculated MW	49.4kDa
Storage	Reconstituted protein solution should be stored at

## Application Details

Expression Region: Recombinant 2019-nCoV 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.

Relevance: 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.

Storage Buffer: Supplied as a 0.2 μM filtered solution of 20 mM Tris-HCl, 300 mM NaCl, 10 % glycerol, 1mM EDTA, pH 8.0.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.