

## 32-190002: 2019-nCoV Nucleocapsid Protein

**Uniprot ID :** QHD43423.2  
**Alternative Name :** 2019-nCoV coronavirus NP Protein; 2019-nCoV np Protein; 2019-nCoV novel coronavirus Nucleoprotein Protein.

### Description

Source : E.coli ; 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.

### Product Info

**Amount :** 1mg  
**Purification :** Greater than 95% as determined by reducing SDS-PAGE.  
**Content :** Supplied as a 0.2  $\mu$ M filtered solution of 20 mM Tris-HCl, 300 mM NaCl, 10 % glycerol, 1mM EDTA, pH 8.0.  
**Storage condition :** Reconstituted protein solution should be stored at <-20°C.  
**Amino Acid :** 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.

### Application Note

Calculated MW: 49.4kDa