

## Product datasheet for **TP728083**

### SARS-CoV-2 Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (N-His)
<b>Species:</b>	SARS-CoV-2
<b>Expression cDNA Clone or AA Sequence:</b>	Met1-Ala419
<b>Tag:</b>	N-His
<b>Buffer:</b>	Supplied as a 0.2 $\mu$ M filtered solution of 20 mM Tris-HCl, 300 mM NaCl, 1 mM EDTA, pH 8.0.
<b>Note:</b>	Recombinant SARS-CoV-2 (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.
<b>Storage:</b>	Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$ , stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Stability:</b>	12 months from date of despatch
<b>Summary:</b>	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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