

**Recombinant SARS-CoV-2 Covid-19 Nucleocapsid protein**

<b>Catalog No :</b>	YD2190
<b>Reactivity :</b>	Human virus
<b>Applications :</b>	ELISA ECL Immunogold
<b>Purity :</b>	>90% as determined by SDS-PAGE
<b>Fields :</b>	For research use only .Not for use in clinical diagnostic procedures.
<b>Gene Name :</b>	N
<b>Protein Name :</b>	Nucleoprotein
<b>Human Gene Id :</b>	QHD43423.2
<b>Source :</b>	E.coli
<b>Dilution :</b>	Testing in progress
<b>Concentration :</b>	>90% as determined by SDS-PAGE
<b>Storage Stability :</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
<b>Molecularweight :</b>	47.79kDa
<b>Observed Band :</b>	50-60kDa
<b>Background :</b>	Recombinant SARS-CoV-2 Nucleocapsid protein is produced by E.coli expression system and the target gene encoding Met1-Ala419 is expressed with N-His Tag
<b>Function :</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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**Sort :**14336

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