

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

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| <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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