

Recombinant SARS-CoV-2 Covid-19 Nucleocapsid protein

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| Catalog No : | YD2190 |
| Reactivity : | Human virus |
| Applications : | ELISA ECL Immunogold |
| Purity : | >90% as determined by SDS-PAGE |
| Fields : | For research use only .Not for use in clinical diagnostic procedures. |
| Gene Name : | N |
| Protein Name : | Nucleoprotein |
| Human Gene Id : | QHD43423.2 |
| Source : | E.coli |
| Dilution : | Testing in progress |
| Concentration : | >90% as determined by SDS-PAGE |
| Storage Stability : | 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. |
| Molecularweight : | 47.79kDa |
| Observed Band : | 50-60kDa |
| Background : | 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 |
| Function : | 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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