

Recombinant SARS-CoV-2(Covid-19) Nucleocapsid protein

CatalogNo: YD2190

Key Features

Reactivity

- Human virus

MW

- 48kD (Calculated)
- 50-60kD (Observed)

Storage

Storage*

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.

Recommended Dilution Ratios

Basic Information

Source	E.coli
Purification	E.coli
Purity	>90% as determined by SDS-PAGE

Immunogen Information

Target Information

Gene name N

Protein Name

Nucleoprotein

Organism

Human

Gene ID[QHD43423.2;](#)**UniProt ID****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.

| Validation Data

| Contact information

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