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Product Datasheet

Name: Recombinant SARS-CoV-2 Nucleocapsid Protein (N-terminal)

Construction: A DNA sequence encoding the SARS-CoV-2 Nucleocapsid Protein (N-terminal) was expressed with a His tag in N terminus

Catalog No.	Unit	Usage	Buffer
bs-41275P	mg	Antigen	sterile PBS, pH7.4

Host: Escherichia coil

MW: 23.3 kD

Format: Liquid

Concentration: ≥0.5 mg/ml

Purification: ≥90% (SDS-PAGE)

Application: Recommended for sandwich immunoassays in ELISA and CLIA. Each laboratory should determine an optimum working titer for use in its particular application.

Storage: Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Background: 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. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.