

Recombinant SARS-CoV-2 Nucleocapsid Protein (His tag)

Cat. No. bs-41408P

Description

Protein Sequence	SARS-CoV-2 Nucleocapsid Protein with a His tag in N terminus (Gly1-Ala419).
Source	Escherichia coil Expression System
Accession	BCB97898
Mol wt	46kD
Endotoxin	Not tested.
Purity	≥95% as determined by 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.
Activity assay	Not tested.

Formulation and Storage

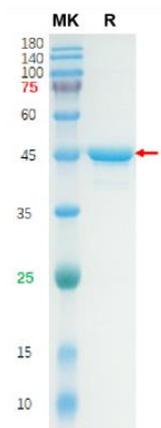
Format	Liquid
Concentration	≥0.5 mg/ml
Buffer	sterile PBS, pH7.4
Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

Assay Data

SDS-PAGE



SDS-PAGE for recombinant SARS-CoV-2 Nucleocapsid Protein