

# Recombinant SARS Nucleocapsid Protein (His tag)

Cat. No. bs-49002P

## Description

<b>Protein Sequence</b>	SARS Nucleocapsid Protein full length with a His tag in N terminus (1-422).
<b>Source</b>	Escherichia coil Expression System
<b>Accession</b>	
<b>Mol wt</b>	46kD
<b>Endotoxin</b>	Not tested.
<b>Purity</b>	≥90% as determined by SDS-PAGE
<b>Application</b>	Recommended for sandwich immunoassays in ELISA and CLIA. Each laboratory should determine an optimum working titer for use in its particular application.
<b>Activity assay</b>	Not tested.

## Formulation and Storage

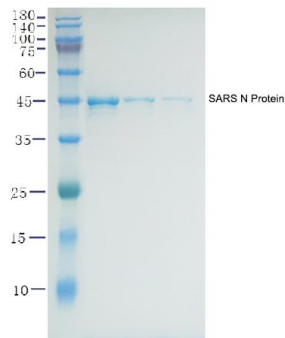
<b>Format</b>	Liquid
<b>Concentration</b>	≥0.5 mg/ml
<b>Buffer</b>	sterile PBS, pH7.4
<b>Storage</b>	Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles.

## Background

The nucleocapsid (N) protein of SARS-coronavirus (SARS-CoV) is the key protein for the formation of the helical nucleocapsid during virion assembly. The nucleocapsid (N) protein of SARS-CoV enters the host cell together with the viral RNA and interferes with several cellular processes. Some of these processes involve interactions between SARS-CoV N protein and host cell proteins. It has also been demonstrated that the SARS-CoV N protein can bind to DNA in vitro. These interactions might have a role in the pathology of SARS. The N protein may be of potential value in vaccine development for specific prophylaxis and treatment against SARS.

## Assay Data

### SDS-PAGE



SDS-PAGE for recombinant SARS Nucleocapsid Protein