

# SARS CoV Nucleoprotein (His Tag)



Catalog Number: 502937

## General Information

### Gene Name Synonym

Nucleocapsid protein

### Protein Construction

A DNA sequence encoding the human SARS coronavirus (isolate:Tor2) nucleoprotein (NP\_828858.1) (Met1-Ala422) was expressed with a C-terminal polyhistidine tag.

### Organism

SARS

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 80 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

### Molecular Mass

The recombinant human SARS coronavirus

nucleoprotein comprises 433 amino acids and has a predicted molecular mass of 47.5 kDa. The apparent molecular mass of the protein is approximately 47.1 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

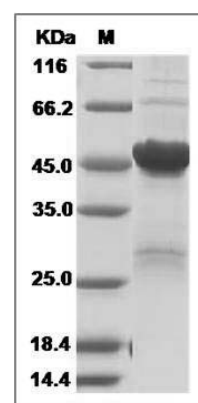
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human SARS Coronavirus Nucleoprotein / NP Protein (His Tag) SDS-PAGE