

## SARS-CoV Nucleocapsid Protein, His-SUMO Tag, HEK293

**Catalog Number** LDG005PVM

**Package** 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

SARS-CoV

#### Affinity Tag

His-SUMO Tag (N-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Form

Lyophilized

#### Expression system

HEK293

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Molecular weight

The protein has a calculated MW of 57.57 kDa. The protein migrates about 75 kDa under reducing condition (SDS-PAGE analysis).

### Background

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### Background

SARS-CoV-2 is a kind of coronavirus which full name is severe acute respiratory syndrome coronavirus 2. SARS-CoV-2 is contagious that causes the respiratory diseases and lung diseases which make difficulty breathing. SARS-CoV-2 do the spillover event in 2019 because it has genetic diversity. SARS-CoV-2 is composed by four subunits (spike, envelope, membrane and nucleocapsid proteins). Its RNA genome is encapsulated with nucleocapsid protein. The viral envelope is comprised of spike, envelope and membrane protein. SARS-CoV-2 has high affinity to ACE2, which is highly expression in intestines, kidney, and heart.

### Uniprot ID

#P59595

### Synonyms

Nucleoprotein, N, Nucleocapsid protein, NC Protein N

### Sequence Note

Met1-Ala422

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

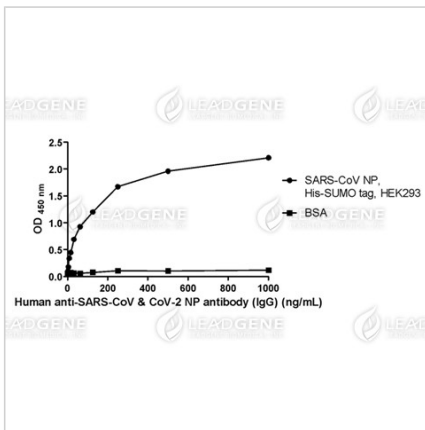
### Stability & Storage

This product is stable after storage at:

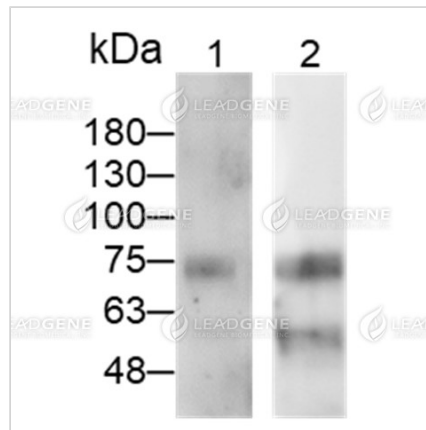
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

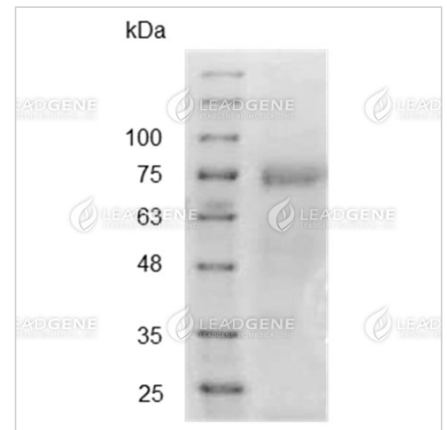
### Image



ELISA titration of Human anti-SARS-CoV & CoV-2 NP Antibody (IgG) (Leadgene cat. 17901).



WB analysis of recombinant SARS-CoV nucleocapsid protein.  
 Lane 1: Human anti-SARS-CoV & CoV-2 NP Antibody (IgG), 0.5 µg/mL (Leadgene cat. 17901)  
 Lane 2: Human anti-SARS-CoV & CoV-2 NP Antibody (IgM), 0.5 µg/mL (Leadgene cat. 18301)



SDS-PAGE analysis of recombinant SARS-CoV nucleocapsid protein.

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