

## SARS-CoV-2 Nucleocapsid Protein, Tag Free, E. coli

**Catalog Number** LDG004PVE

**Package** 100 µg / Customized package

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



### Specifications

#### Species of Origin

SARS-CoV-2

#### Affinity Tag

Tag Free

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Form

Lyophilized

#### Expression system

Escherichia coli

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS containing 10 mM potassium carbonate, pH 7.4.

#### Molecular weight

The protein has a calculated MW of 45.62 kDa. The protein migrates about 48 kDa under reducing condition (SDS-PAGE analysis).

### Background

#### Tainan Headquarter

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

#### Taipei Office

+886-2-27065528

### 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

#P0DTC9

### Synonyms

Nucleoprotein, Nucleocapsid protein, N, NC Protein N

### Sequence Note

Met1-Ala419

## 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.

### Tainan Headquarter

☎ +886-6-2536677 📠 +886-6-2531536

✉ [info@leadgene.com.tw](mailto:info@leadgene.com.tw)

### Taipei Office

☎ +886-2-27065528

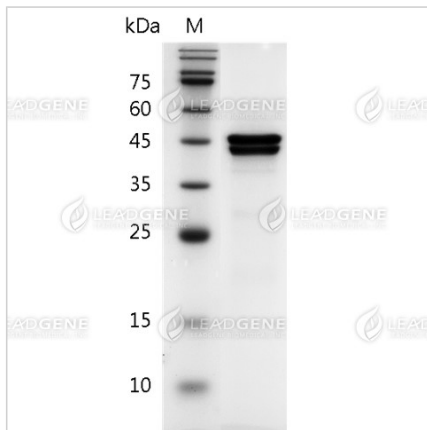
### Stability & Storage

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



SDS-PAGE analysis of  
recombinant SARS-CoV-2  
nucleocapsid protein.

**Disclaimer :** For Research Use or Further Manufacturing Only.

#### Tainan Headquarter

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

#### Taipei Office

+886-2-27065528