

## HCoV-OC43 Nucleocapsid Protein, His Tag, E. coli

Catalog Number	LDG007PVE
Package	100 µg / Customized package

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



### Specifications

#### Species of Origin

Human coronavirus OC43

#### Affinity Tag

His Tag (C-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Form

Lyophilized

#### Expression system

Escherichia coli

#### Buffer

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

#### Molecular weight

The protein has a calculated MW of 50.13 kDa.  
The protein migrates as 48-63 kDa under reducing condition (SDS-PAGE analysis).

### Background

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### Background

There are seven human coronaviruses have been identified. The common human coronaviruses are four groups, known as 229E ( $\alpha$  coronavirus), NL63 ( $\alpha$  coronavirus), OC43 ( $\beta$  coronavirus) and HKU1 ( $\beta$  coronavirus). Because the crown-like spikes on the surface of virus, they are named for coronaviruses. HCoV cause the respiratory tract diseases, especially severe in infants and the elderly. The spike protein controled the infection of target cells and it facilitated entry into cells by binding cellular receptors.

### Uniprot ID

#P33469

### Synonyms

Nucleoprotein 1 Automatic Annotation, Nucleocapsid protein, NC Protein N

### Sequence Note

Met1-Ile448

## Instruction

### Reconstitution

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

### 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.

### Shipping

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

## Image

### Tainan Headquarter

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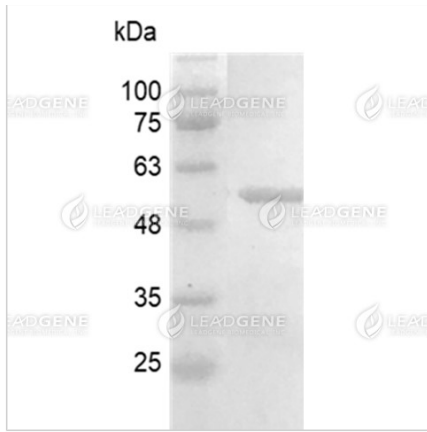
✉ [bd@leadgene.com.tw](mailto:bd@leadgene.com.tw)

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SDS-PAGE analysis of recombinant  
Human Coronavirus (OC43)  
nucleocapsid protein.

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