HCoV-NL63 Nucleocapsid Protein, His-SUMO Tag, HEK293

Catalog Number	LDG003PVM
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Human coronavirus NL63

Expression System
HEK293

Affinity Tag
His-SUMO Tag (N-term)

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

Purity
>90% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 53.79 kDa.
The protein migrates about 70-75 kDa under reducing condition (SDS-PAGE analysis).

Form
Lyophilized

Background

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Background

There are seven human coronaviruses have been identified. The common human coronaviruses are four groups, known as 229E (α coronavirus), NL63 (α coronavirus), OC43 (β coronavirus) and HKU1 (β coronavirus). Because the crown-like spikes on the surface of virus, they are named for coronaviruses. HCoVs 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.

Synonyms

Nucleoprotein, N, Nucleocapsid protein, NC Protein N

Uniprot ID

#Q6Q1R8

Sequence Note

Met1-His377

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 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

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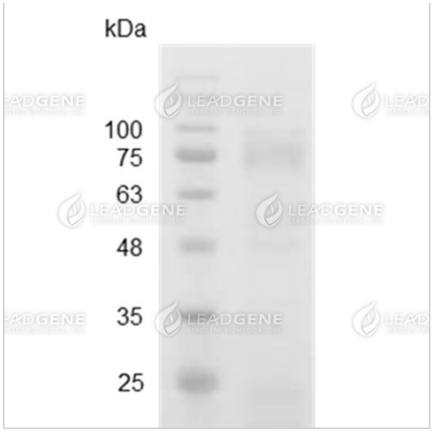

SDS-PAGE analysis of Human Coronavirus (NL63) nucleocapsid protein

Disclaimer : For Research Use or Further Manufacturing Only.

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