HCoV-HKU1 Nucleocapsid Protein, His Tag, E. coli

Catalog Number	LDG008PVE
Package	100 μg / Customized package

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

Specifications

Species of Origin

Human coronavirus HKU1

Expression System

Escherichia coli

Affinity Tag

His Tag (C-term)

Storage Buffer

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

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 49.96 kDa. The protein migrates as 48-63 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, Nucleocapsid protein, NC Protein N

Uniprot ID

#Q5MQC6

Sequence Note

Met1-Ala441

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O 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.

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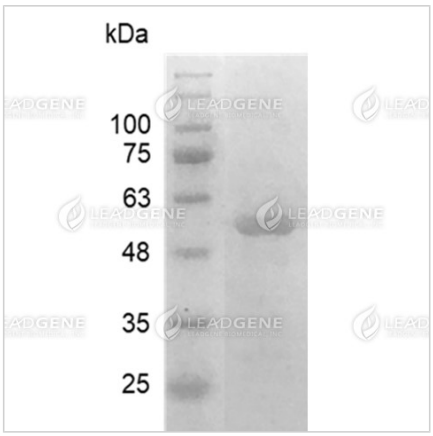
Image



SDS-PAGE analysis of recombinant Human Coronavirus (HKU1) nucleocapsid protein.

Disclaimer : For Research Use or Further Manufacturing Only.

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