SARS-CoV-2 Nucleocapsid Protein (Omicron B1.1.529 Variant), Tag Free, E. coli

Catalog Number	LDG016PVE
Package	100 μg / Customized package

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

Specifications

Species of Origin

SARS-CoV-2

Expression system

Escherichia coli

Affinity Tag

Tag Free

Buffer

Lyophilized from a 0.2 μm filtered solution of PBS containing 0.5 M NaCl, pH 7.4.

Purity

>90% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 45.33 kDa.
The protein migrates about 45 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

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.

Synonyms

Nucleoprotein, Nucleocapsid protein, NC Protein N

Uniprot ID

#UFO69287.1

Sequence Note

Met1-Ala416

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.

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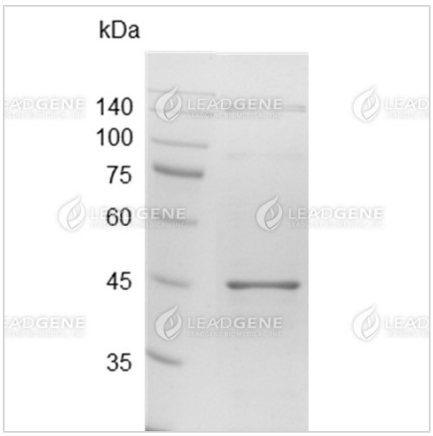
Image



SDS-PAGE analysis of Human SARS-CoV-2 nucleocapsid protein (Omicron B1.1.529 Variant).

Disclaimer : For Research Use or Further Manufacturing Only.

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