Human Metapneumovirus (MPV) Nucleocapsid Protein, His Tag, E. coli

Catalog Number	LDG035PVE
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

Expression system
Escherichia coli

Affinity Tag
His Tag (C-term)

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

Purity
>95% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 44.35 kDa. The protein migrates as 44 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level
Not detected

Mycoplasma
Not detected

Form
Lyophilized

Background

Tainan Headquarter
+886-6-2536677
bd@leadgene.com.tw

Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677

Background

Human Metapneumovirus (hMPV), a Paramyxoviridae family member, causes respiratory infections. The hMPV Nucleocapsid (N) protein is the primary RNA-binding protein in the viral genome, crucial for the viral life cycle. It binds to viral RNA, forming a nucleocapsid that protects it from degradation. The N protein also regulates viral replication and transcription by being part of the RNA polymerase complex, facilitating viral RNA synthesis.

Uniprot ID

Q6WBA1

Synonyms

Metapneumovirus N Protein, MPV N Protein, Nucleocapsid (N) Protein of Human Metapneumovirus, hMPV Nucleocapsid (N), hMPV Nucleoprotein (N), Human Metapneumovirus N Protein, Nucleoprotein (hMPV), hMPV NP (Nucleocapsid Protein), hMPV Nucleo Protein, hMPV Core Protein

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.

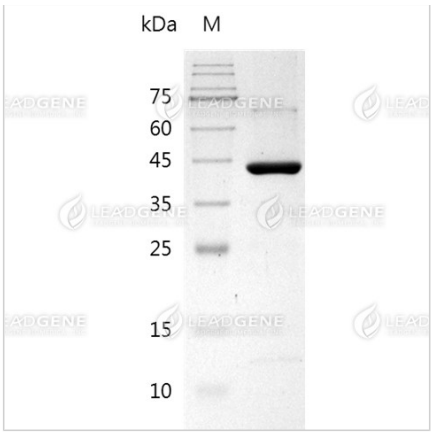
Avoid repeated freeze/thaw cycles.

Image

Tainan Headquarter
+886-6-2536677
bd@leadgene.com.tw

Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677



SDS-PAGE analysis of recombinant human metapneumovirus (MPV) nucleocapsid protein.

Tainan Headquarter
+886-6-2536677
bd@leadgene.com.tw

Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677