

## 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

#### Affinity Tag

His Tag (C-term)

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Endotoxin Level

Not detected

#### Form

Lyophilized

#### Expression System

Escherichia coli

#### Storage Buffer

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

#### Molecular weight

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

#### Mycoplasma

Not detected

### Background

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### 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<sub>2</sub>O to a concentration not less than 200 µg/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:

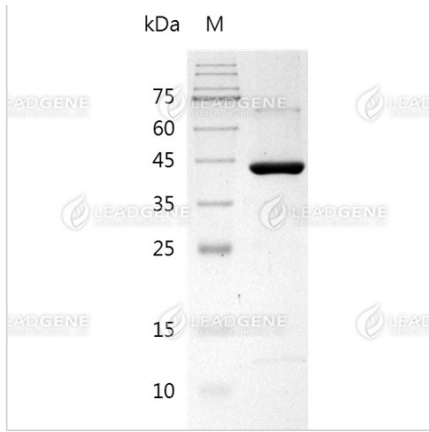
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

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



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