

## Human metapneumovirus (strain CAN97-83) Nucleoprotein/NP Protein (His &amp; Myc)

## General Information

Synonyms:	Nucleoprotein;Nucleocapsid protein;Protein N
Protein Construction:	1-394 aa
Species:	HMPV
Expression Host:	E. coli
Accession:	Q6WBA1
Molecular Weight:	51.0 kDa (predicted)
AA Sequence:	MSLQGIHLSDSLKYKHAILEKESQYTIKRDVGTAVTPSSLQQEITLLCGEILYAKHADYKYAAEIGIQYISTALGSE RVQQILRNSGSEVQVVLTRTYSLGKVKNNKGEDLQMLDIHGVEKSWVEEIDKEARKTMTALLKESGNIQPN QRPSAPDTPHLLCVGALIFTKLASTIEVGLLETTVRRANRVLSDALKRYPRMDIPKIARSFYDLFEQKVVYRSLFIE YGKALGSSSTGSKAESLFVNIFMQAYGAGQTMLRWGVIARSSNNIMLGHVSVQAELKQVTEVYDLVREMGPE SGLLHLRQSPKAGLLSLANCPNFASVVLGNASGLGIIGMYRGRVPNTELFSAAESYAKSLKESNKINFSSLGLT DEEKEAAEHFLNVSDDSQNDYE

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

Encapsidates the viral RNA genome by forming a left-handed helical nucleocapsid that protects the RNA from nucleases. RNA replication depends on the availability of soluble nucleoprotein. The encapsidated genomic RNA is

termed the NC and serves as template for transcription and replication.

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