

# H1N1 Nucleoprotein (His Tag)



Catalog Number: 504228

## General Information

### Gene Name Synonym

Nucleocapsid protein

### Protein Construction

A DNA sequence encoding the Influenza A virus (A/Puerto Rico/8/34/Mount Sinai (H1N1)) nucleoprotein (AAM75159.1) (Met1-Gly490) was fused with a polyhistidine tag at the C-terminus.

### Organism

H1N1

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met 1

### Molecular Mass

The recombinant Influenza A virus (A/Puerto

Rico/8/34/Mount Sinai (H1N1)) nucleoprotein comprises 501 amino acids and has a predicted molecular mass of 56.6 kDa. It migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 60mM Tris, 500mM NaCl, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

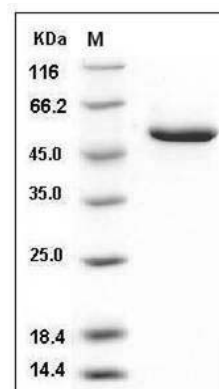
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Influenza A H1N1 Nucleoprotein / NP Protein (His Tag) SDS-PAGE