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

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

Stability

Samples are stable for up to twelve months from date of receipt at -70 °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

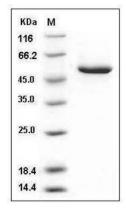
Storage

Store it under sterile conditions at -20°C to -80°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