# H3N2 Nucleoprotein (His Tag)

Catalog Number: 502311



# **General Information**

### **Protein Construction**

A DNA sequence encoding the Influenza A virus (A/Aichi/2/1968(H3N2)) nucleoprotein (AFM71861.1) (Met1-Asn498) was expressed with a C-terminal polyhistidine tag.

## **Organism**

H3N2

# **Expression Host**

**Baculovirus-Insect Cells** 

# **QC Testing**

### **Purity**

> 95 % as determined by SDS-PAGE

### **Endotoxin**

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

# **Stability**

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

### Predicted N terminal

Met.

## **Molecular Mass**

The recombinant nucleoprotein of Influenza A virus (A/Aichi/2/1968 (H3N2)) comprises 509 amino acids and has a predicted molecular mass of 57.6 kDa. The apparent molecular mass of the

protein is approximately 54.4 kDa in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, 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**

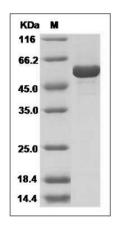
## **Storage**

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 H3N2 (A/Aichi/2/1968) Nucleoprotein / NP Protein (His Tag) SDS-PAGE