

# H7N9 Nucleoprotein (His Tag)



Catalog Number: 500632

## General Information

### Protein Construction

A DNA sequence encoding the Influenza A virus (A/Shanghai/2/2013(H7N9)) nucleoprotein protein (AGL44439.1) (Met1-Asn498) was expressed with a C-terminal polyhistidine tag.

### Organism

H7N9

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 95 % 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

### Molecular Mass

The recombinant nucleoprotein protein of Influenza A virus (A/Shanghai/1/2013(H7N9)) comprises 509 amino acids and has a predicted molecular mass of 57.8 kDa. The apparent

molecular mass of the protein is approximately 57 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

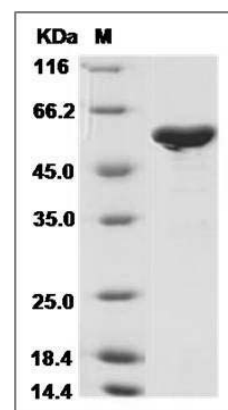
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  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 H7N9 (A/Shanghai/1/2013) Nucleocapsid / NP Protein (His Tag) SDS-PAGE