

# H7N9 HA (His Tag) recombinant protein



Catalog Number: 504837

## General Information

### Protein Construction

A DNA sequence encoding the Influenza A virus (A/Pigeon/Shanghai/S1069/2013(A/H7N9)) hemagglutinin (Met1-Gly338), termed as HA1, was expressed with a C-terminal polyhistidine tag.

### Organism

H7N9

### Expression Host

Human 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

Asp 19

### Molecular Mass

The recombinant HA1 subunit of Influenza A virus (A/Pigeon/Shanghai/S1069/2013(A/H7N9)) hemagglutinin comprises 331 amino acids and has a predicted molecular mass of 36.2 kDa. The

apparent molecular mass of the protein is approximately 38-47 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, 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

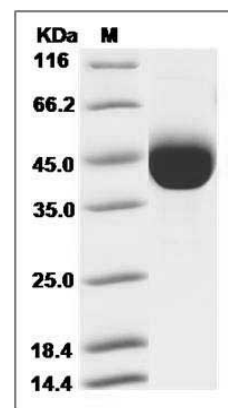
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

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/Pigeon/Shanghai/S1069/2013) Hemagglutinin Protein (HA1 Subunit) (His Tag) SDS-PAGE