# H7N9 HA (His Tag) recombinant protein

Catalog Number: 504028



### **General Information**

#### **Protein Construction**

A DNA sequence encoding the Influenza A virus (A/Hangzhou/1/2013 (H7N9)) (AGI60301.1) hemagglutinin (Met1-Val524) was expressed with a C-terminal polyhistidine tag.

### **Organism**

H7N9

## **Expression Host**

**Baculovirus-Insect Cells** 

# **QC Testing**

## **Activity**

- 1. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.1-0.6  $\mu g/mL$  for 1% GRBC.
- 2. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System.

### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; \text{EU}$  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**

Asp 19

#### **Molecular Mass**

The recombinant hemagglutinin of Influenza A virus (A/Hangzhou/1/2013 (H7N9)) comprises 517 amino acids and has a predicted molecular mass of 57.6 kDa. The apparent molecular mass of the protein is approximately 59 kDa in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 20mM Tris, 500mM 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**

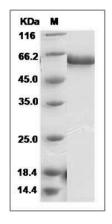
## **Storage**

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 H7N9 (A/Hangzhou/1/2013) Hemagglutinin / HA Protein (His Tag) SDS-PAGE