Catalog Number: 503573



# **General Information**

#### **Protein Construction**

A DNA sequence encoding the Influenza A virus (A/mallard duck/Alberta/342/1983(H12N1)) hemagglutinin (ABB88099.1)(Met1-Lys527), termed as HA, was expressed with a polyhistidine tag at the C-terminus.

#### Organism

H12N1

#### **Expression Host**

**Baculovirus-Insect Cells** 

# **QC Testing**

#### Activity

Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.05-0.25µg/mL for 1%GRBC

## Purity

> 95 % as determined by SDS-PAGE.

#### Endotoxin

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

#### Stability

Samples are stable for up to twelve months from date of receipt at -70  $^\circ \rm C$ 

## **Predicted N terminal**

Tyr 17

## **Molecular Mass**

The recombinant hemagglutinin of Influenza A virus (A/mallard duck/Alberta/342/1983(H12N1)) consists 522 amino acids and predicts a molecular mass of 59.4 kDa.

### Formulation

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 %glycerol, pH 8.0. 1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## **Usage Guide**

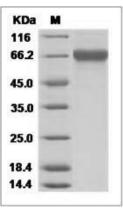
#### Storage

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 H12N1 (A/mallard duck/Alberta/342/1983) Hemagglutinin / HA Protein (His Tag)