# H7N8 HA (His Tag) recombinant protein

Catalog Number: 504636



#### **General Information**

#### **Protein Construction**

A DNA sequence encoding the Influenza A virus (A/mallard/Netherlands/33/2006(H7N8)) hemagglutinin (ACR59554.1) (Met1-Phe535) was expressed with a C-terminal polyhistidine tag.

# **Organism**

H7N8

# **Expression Host**

Baculovirus-Insect Cells

# **QC Testing**

# **Activity**

- 1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System.
- 2. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 2-8 ng/mL for 1% GRBC.

#### **Purity**

> 90 % 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

Asp 19

#### **Molecular Mass**

The recombinant hemagglutinin of Influenza A virus (A/mallard/Netherlands/33/2006(H7N8)) comprises 528 amino acids and has a predicted molecular mass of 59 kDa. The apparent molecular mass of the protein is approximately 59 kDa in SDS-PAGE under reducing conditions.

#### **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**

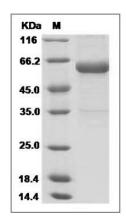
## **Storage**

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 H7N8 (A/mallard/Netherlands/33/2006) Hemagglutinin / HA Protein (His Tag) SDS-PAGE