# H5N1 HA (His Tag) recombinant protein

Catalog Number: 503490



# **General Information**

## **Protein Construction**

A DNA sequence encoding the extracellular domain of Influenza A virus (A/Indonesia/5/2005 (H5N1)) (ABW06108.1) hemagglutinin (Met 1-Gln 531) (Native, HA1+HA2, cleaved) was expressed with a C-terminal polyhistidine tag.

# **Organism**

H5N1

# **Expression Host**

**Human Cells** 

# **QC Testing**

# **Activity**

Measured by its ability to agglutinate guinea pig red blood cells.

HA titer is  $0.3-1.5 \mu g/mL$  for 1% GRBC. It also agglutinates chick red blood cells.

## **Purity**

> 95 % 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 17

## **Molecular Mass**

The secreted recombinant hemagglutinin of Influenza A virus H5N1 (A/Indonesia/5/2005) comprises 526 amino acids with the predicted molecular mass of 60 kDa. As a result of glycosylation, it migrates as an approximately 65-70 kDa band in Non-reduced SDS-PAGE, and three bands (25, 45, 70 kDa) in reduced SDS-PAGE.

#### **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**

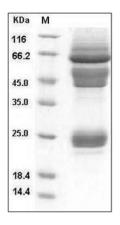
# **Storage**

Store it under sterile conditions at -20°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 H5N1 (A/Indonesia/5/2005) Hemagglutinin / HA Protein (His Tag) SDS-PAGE