

# H5N1 HA (His Tag) recombinant protein



Catalog Number: 503823

## General Information

### Protein Construction

A DNA sequence encoding the N-terminal segment (Met 1-Glu 340) of the influenza A Hemagglutinin H5N1 (A/Cambodia/R0405050/2007 (H5N1)) (ACI06178.1), termed as HA1, was expressed, fused with a C-terminal polyhistidine tag.

### Organism

H5N1

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % 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 17

### Molecular Mass

The secreted recombinant HA1 subunit of influenza A H5N1 HA (A/Cambodia/R0405050/2007 (H5N1)) comprises

335 amino acids and has a predicted molecular mass of 38 kDa. As a result of glycosylation, it migrates as an approximately 50-55 kDa band 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

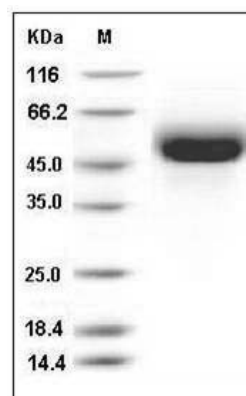
### Storage

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 H5N1 (A/Cambodia/R0405050/2007) Hemagglutinin Protein (HA1 Subunit) (His Tag) SDS-PAGE