

# H5N1 HA (His Tag) recombinant protein



Catalog Number: 500414

## General Information

### Gene Name Synonym:

### Protein Construction:

A DNA sequence encoding the Influenza A virus (A/chicken/Jilin/9/2004(H5N1)) hemagglutinin (AAT76166.1) (Met1-Gln531), termed as HA, was expressed with a polyhistidine tag at the C-terminus.

**Source:**H5N1

**Expression Host:**Baculovirus-Insect Cells

## QC Testing

### Activity:

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

HA titer is 0.1-0.5 $\mu$ g/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°C

### Predicted N terminal:

Asp 17

### Molecular Mass:

The recombinant hemagglutinin of Influenza A virus (A/chicken/Jilin/9/2004(H5N1)) hemagglutinin consists 526 amino acids and predicts a molecular mass of 60.1 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

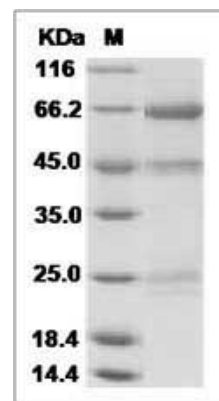
### Storage:

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 H5N1 (A/chicken/Jilin/9/2004)  
Hemagglutinin / HA Protein (His Tag)