

# H5N1 HA (His Tag) recombinant protein



Catalog Number: 503956

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of Influenza A virus (A/Anhui/1/2005(H5N1) (ABD28180.1) hemagglutinin (Met 1-Gln 527,Ala 150Val) with cleavage site mutated (RERRRKR?TETR, HA1+HA2, uncleaved) was expressed with the bacteriophage T4 fibritin and a polyhistidine tag at the C-terminus.

### Organism

H5N1

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 90 % 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 hemagglutinin of Influenza A virus (A/Anhui/1/ 2005(H5N1) comprises 557 amino acids with the predicted

molecular mass of 63 kDa. As a result of glycosylation, it migrates as an approximately 66 kDa band in SDS-PAGE under reducing conditions. This recombinant HA proteins are polymers based on HPLC analysis (data not shown).

### Formulation

Lyophilized from sterile 20mM Tris, 500 mM NaCl, 10% glycerol, 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

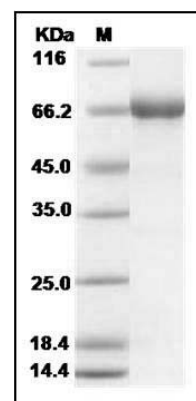
### Storage

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/Anhui/1/2005) Hemagglutinin / HA Protein (His Tag) SDS-PAGE