

# H5N1 HA (His Tag) recombinant protein



Catalog Number: 504624

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of influenza A virus hemagglutinin (A/Hubei/1/2010 (H5N1)) (Met 1-Gln 530) (HA1 + HA2, cleaved) was fused with a polyhistidine tag at the C-terminus.

### Organism

H5N1

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to agglutinate human red blood cells.

HA titer is 0.5-4  $\mu\text{g/mL}$  for 1% HRBC.

### 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 H5N1 (A/Hubei/2011) comprises 525 amino acids and has a predicted molecular mass of 60.1 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

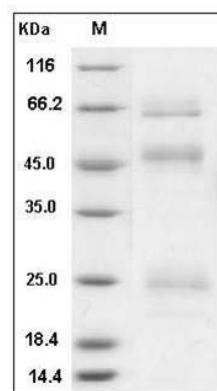
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

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/Hubei/2011) Hemagglutinin / HA Protein (His Tag) SDS-PAGE