

# H5N1 HA (His Tag) recombinant protein



Catalog Number: 503406

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gln 531) of the influenza A hemagglutinin (A/chicken/India/NIV33487/06 (H5N1)) (ABQ45850.1) (HA1+HA2, uncleaved, cleavage site mutated (RRRKKR-TETR)) was expressed, fused with a C-terminal polyhistidine tag.

### Organism

H5N1

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to agglutinate human red blood cells.

HA titer is 10-50 µg/mL for 1% HRBC.

### Purity

> 94 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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 influenza A H5N1 HA (A/chicken/India/NIV33487/2006 (H5N1)) comprises 524 amino acids and has a predicted molecular mass of 60 kDa. As a result of glycosylation, it migrates as an approximately 65-75 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

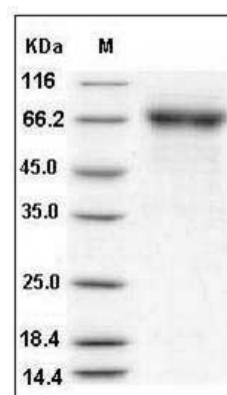
Store it under sterile conditions at -20°C to -80°C.

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/India/NIV33487/2006) Hemagglutinin / HA Protein (His Tag) SDS-PAGE