

# H5N9 HA (His Tag) recombinant protein



Catalog Number: 503252

## General Information

### Protein Construction

A DNA sequence encoding the Influenza A virus (A/chicken/Italy/22A/1998(H5N9)) hemagglutinin (ABR37720.1) (Met1-Gln527) was expressed with a C-terminal polyhistidine tag.

### Organism

H5N9

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System.
2. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.01-0.04 µg/mL for 1% GRBC.

### Purity

> 95 % 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 recombinant hemagglutinin of Influenza A virus (A/chicken/Italy/22A/1998(H5N9)) comprises 522 amino acids and has a predicted molecular mass of 59.3 kDa. The apparent molecular mass of the protein is approximately 60.1 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

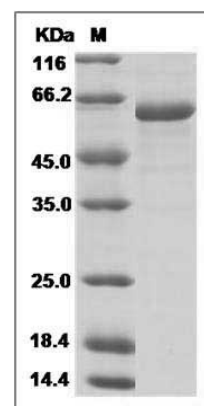
### Storage

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 H5N9 (A/chicken/Italy/22A/1998)  
Hemagglutinin / HA Protein (His Tag) SDS-PAGE