

## General Information

### Protein Construction

A DNA sequence encoding the Influenza A virus (A/duck/NZL/160/1976 (H1N3)) hemagglutinin (ABB20429.1) (Met1-Gln529), termed as HA, was expressed with a polyhistidine tag at the C-terminus.

### Organism

H1N3

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

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

HA titer is 1-5 $\mu$ g/mL for 1%GRBC

### Purity

> 90 % 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 18

## Molecular Mass

The recombinant hemagglutinin of Influenza A virus (A/duck/NZL/160/1976 (H1N3)) consists 523 amino acids and predicts a molecular mass of 58.9 kDa.

## 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

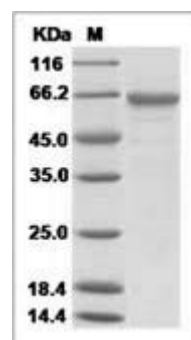
### Storage

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 H1N3 (A/duck/NZL/160/1976)  
Hemagglutinin / HA Protein (His Tag)