

## General Information

### Protein Construction

A DNA sequence encoding the Influenza A virus (A/Bel/1942 (H1N1)) hemagglutinin (ABD62843.1) (Met1-Gln529), termed as HA, was expressed with a polyhistidine tag at the C-terminus.

### Organism

H1N1

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  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 18

### Molecular Mass

The recombinant hemagglutinin of Influenza A virus (A/Bel/1942 (H1N1)) consists of 523 amino acids and predicts a molecular mass of 59.3 kDa.

### Formulation

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % gly, pH 8.0.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
2. Please contact us for any concerns or special requirements.

## Usage Guide

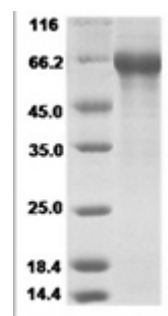
### Storage

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.

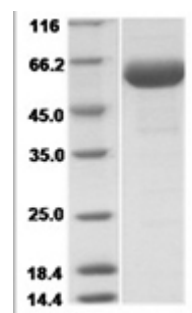
### Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE



H1N1 HA Protein 15521



Influenza A H1N1 (A/Bel/1942) Hemagglutinin / HA Protein (His Tag)