

# H1N1 HA (His Tag) recombinant protein



Catalog Number: 500925

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of the influenza A H1N1 (A/Ohio/07/2009 (H1N1)) hemagglutinin (ACQ63286.1) (Met 1-Gln 529, HA1+HA2, uncleved), was fused with a C-terminal polyhistidine tag.

### Organism

H1N1

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % 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 18

### Molecular Mass

The secreted recombinant influenza A H1N1 hemagglutinin (A/Ohio/07/2009 (H1N1)) comprises 523 amino acids and has a predicted

molecular mass of 59 kDa. As a result of glycosylation, the apparent molecular mass of the protein is approximately 70-80 kDa 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

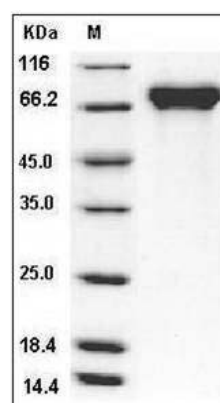
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  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 H1N1 (A/Ohio/07/2009)  
Hemagglutinin / HA Protein (His Tag) SDS-PAGE