

# H1N1 HA (His Tag) recombinant protein



Catalog Number: 503744

## General Information

### Protein Construction

A DNA sequence encoding an N-terminal segment (Met 1-Arg 344) of Influenza A H1N1 hemagglutinin (A/California/04/2009 (H1N1)) (ACP41105.1), termed as HA1, was fused with a C-terminal polyhistidine tag.

### Organism

H1N1

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % 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 HA1 subunit of H1N1 HA (A/California/04/2009 (H1N1)) comprises 338 amino acids with the predicted molecular mass of

38 kDa. As a result of glycosylation, it migrates as an approximately 50-60 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

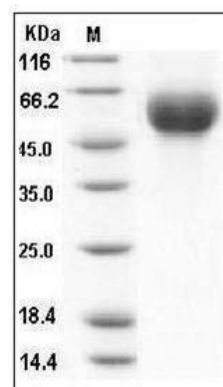
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  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/California/04/2009) Hemagglutinin Protein (HA1 Subunit) (His Tag) SDS-PAGE