

# H1N1 HA (His Tag) recombinant protein



Catalog Number: 501385

## General Information

### Protein Construction

A DNA sequence encoding an N-terminal segment (Met 1-Arg 343) of Influenza A virus (A/Brisbane/59/2007 (H1N1)) (ACA28844.1) HA, termed as HA1 subunit, was fused with a polyhistidine tag at the C-terminus.

### Organism

H1N1

### Expression Host

Human Cells

## QC Testing

### Purity

> 98 % 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

Recombinant HA1 subunit of Influenza A virus (A/Brisbane/59/2007 (H1N1)) hemagglutinin consists of 337 amino acids and has a calculated

molecular mass of 37.7 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 55-60 kDa protein 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

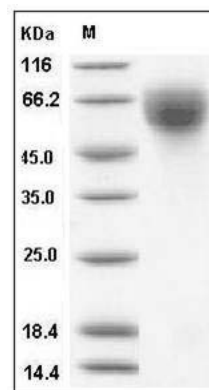
### Storage

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/Brisbane/59/2007) Hemagglutinin Protein (HA1 Subunit) (His Tag) SDS-PAGE