

# H5N1 HA (Fc Tag) recombinant protein



Catalog Number: 503665

## General Information

### Protein Construction

A DNA sequence encoding the C-terminal segment (Gly 347-Gln 531) of hemagglutinin (Influenza A virus (A/Viet Nam/1203/2004 (H5N1)) (AAW80717.1), termed as HA2, was fused with the Fc region of mouse IgG1 at the N-terminus.

### Organism

H5N1

### 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

Glu

#### Molecular Mass

Recombinant mFc/HA2 is a disulfide-linked homodimeric protein. The reduced monomer consists of 422 amino acids and has a calculated molecular mass of 47.9 kDa. As a result of

glycosylation, the mFc/HA2 monomer migrates as an approximately 50-55 kDa protein in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 100mM NaAc, 10mM NaCl, 200mM Tris, pH 7.5

- 5 % trehalose and mannitol are added as protectants before lyophilization.
- Please contact us for any concerns or special requirements.

## Usage Guide

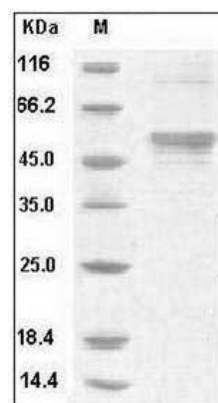
### Storage

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 H5N1 (A/VietNam/1203/2004)  
Hemagglutinin Protein (HA2 Subunit) (Fc Tag)  
SDS-PAGE