# H5N1 HA (His & Fc Tag) recombinant protein

Catalog Number: 503599



### **General Information**

#### **Protein Construction**

A DNA sequence encoding the extracellular domain of Influenza A virus (A/Anhui/1/2005 (H5N1) (ABD28180.1) hemagglutinin (Met 1-Gln 527) with cleavage site mutated (HA1+HA2, uncleaved) was was fused with the C-terminal polyhistidine-tagged Fc region of mouse IgG1 at the C-terminus.

# **Organism**

H5N1

## **Expression Host**

**Human Cells** 

# **QC Testing**

#### **Purity**

> 97 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; EU \; per \; \mu g$  of the protein as determined by the LAL method

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### **Predicted N terminal**

Asp 17

#### Molecular Mass

The secreted recombinant hemagglutinin of Influenza A virus (A/Anhui/1/2005 (H5N1)

comprises 754 amino acids with the predicted molecular mass of 85.5 kDa. As a result of glycosylation, it migrates as an approximately 110 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

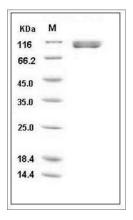
#### Storage

Store it under sterile conditions at -20°C to -80°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/Anhui/1/2005) Hemagglutinin / HA Protein (His & Fc Tag) SDS-PAGE