# H5N1 HA (His Tag) recombinant protein

Catalog Number: 503437



#### **General Information**

#### **Protein Construction**

A DNA sequence encoding the extracellular domain (Met 1-Gln 531) of the influenza A Hemagglutinin (A/duck/Hunan/795/2002 (H5N1)) (ACA47835.1) (HA1+HA2, uncleaved, with the cleavage site mutated (RRRKKR-TETR)) was expressed, fused with a C-terminal polyhistidine tag.

# 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 influenza A H5N1 HA

(A/duck/Hunan/795/2002 (H5N1)) comprises 524 amino acids and has a predicted molecular mass of 60 kDa. As a result of glycosylation, it migrates as an approximately 65-75 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**

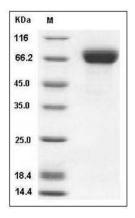
#### Storage

Store it under sterile conditions at -20°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/duck/Hunan/795/2002) Hemagglutinin / HA Protein (His Tag) SDS-PAGE