H5N1 HA (His Tag) recombinant protein

Catalog Number: 503719

General Information

Protein Construction

A DNA sequence encoding the N-terminal segment (Met 1-Gly 341) of the influenza hemagglutinin (A/Cambodia/S1211394/2008 (H5N1)) (ADM95445.1), termed as HA, was fused with a polyhistidine tag at the C-terminus.

Organism

H5N1

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to agglutinate guinea pig red blood cells.
HA titer is 4-16 μg/mL for 1% GRBC.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

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

Predicted N terminal

Asp 17

Molecular Mass

The secreted recombinant HA1 subunit of influenza A H5N1 HA (A/Cambodia/S1211394/2008(H5N1)) comprises 526 amino acids and has a predicted molecular mass of 60 kDa. As a result of glycosylation, it migrates as an approximately 83 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS-2, pH 7.4, 10% gly 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

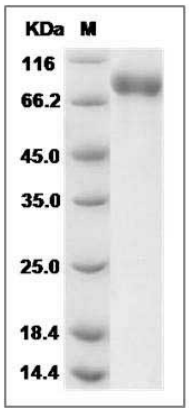
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 Virus H5N1 (A/Cambodia/S1211394/2008) Hemagglutinin / HA Protein (His Tag) SDS-PAGE