

H7N9 HA (His Tag) recombinant protein



Catalog Number: 504847

General Information

Protein Construction

A DNA sequence encoding the Influenza A virus (A/Anhui/1/2013(H7N9)) hemagglutinin (translated amino acid sequence of EPI439507) (Met1-Val524) was expressed with a C-terminal polyhistidine tag.

Organism

H7N9

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to agglutinate guinea pig red blood cells.

HA titer is 0.5-2.5 μ g/mL for 1%GRBC

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ 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 19

Molecular Mass

The recombinant hemagglutinin of Influenza A virus (A/Anhui/1/2013(H7N9)) comprises 517 amino acids and has a predicted molecular mass of 57.6 kDa. The apparent molecular mass of the protein is approximately 58 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, 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

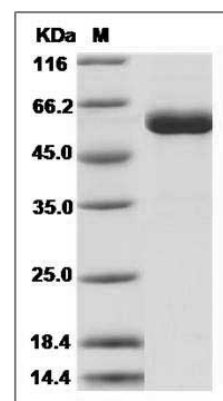
Storage

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 H7N9 (A/Anhui/1/2013)
Hemagglutinin / HA Protein (His Tag) SDS-PAGE