Catalog Number: 503220



General Information

Protein Construction

A DNA sequence encoding the Influenza A virus (A/Duck/HongKong/448/78(H9N2)) hemagglutinin (AAO46079.1) (Met1-Lys523), termed as HA, was expressed with a polyhistidine tag at the Cterminus.

Organism

H9N2

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to agglutinate guinea pig red blood cells. HA titer is $0.02-0.1\mu$ g/mL for 1%GRBC

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

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

Stability

Samples are stable for up to twelve months from date of receipt at $-70^{\circ}C$

Predicted N terminal

Asp 19

Molecular Mass

The recombinant hemagglutinin of Influenza A virus (A/Duck/HongKong/448/78(H9N2)) consists 516 amino acids and predicts a molecular mass of 58.2 kDa.

Formulation

Lyophilized from sterile 20 mM Tris, 500 mM 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

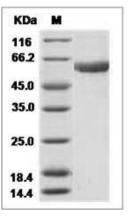
Storage

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 H9N2 (A/Duck/HongKong/448/78) Hemagglutinin / HA Protein (His Tag)