H3N8 HA (His Tag) recombinant protein

Catalog Number: 502339

General Information

Protein Construction

A DNA sequence encoding the Influenza A virus (A/equine/Gansu/7/2008(H3N8)) hemagglutinin (ACE81938.1) (Met1-Arg344), termed as HA1, was expressed with a polyhistidine tag at the C-terminus.

Organism

H3N8

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System.
2. Measured by its ability to bind with Neu5Aca2-6GalNAca-PAA-biotin (01-059) using the Octet RED System.
3. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.04-0.2 μg/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℃

Predicted N terminal

Gln 17

Molecular Mass

The recombinant HA subunit of Influenza A virus (A/equine/Gansu/7/2008(H3N8)) consists 339 amino acids and predicts a molecular mass of 37.9 kDa.

Formulation

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.0.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

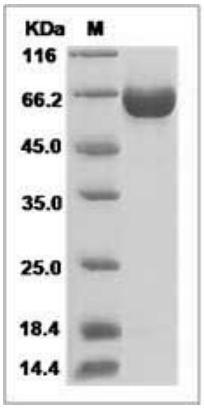
Storage

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 H3N8 (A/equine/Gansu/7/2008) Hemagglutinin Protein (HA Subunit) (His Tag) SDS-PAGE