H1N2 HA (His Tag) recombinant protein

Catalog Number: 502656

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gln 529) of the influenza A hemagglutinin (A/swine/Guangxi/13/2006 (H1N2)) (ABQ42444.1) (HA1+HA2, uncleaved) was fused with a C-terminal polyhistidine tag.

Organism

H1N2

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind with Neu5Aca2-6GalNAca-PAA-biotin (01-059) using the Octet RED System.

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 18

Molecular Mass

The secreted recombinant influenza A H1N2 HA (A/swine/Guangxi/13/2006 (H1N2)) comprises 523 amino acids and has a predicted molecular mass of 59 kDa. As a result of glycosylation, the apparent molecular mass of the protein is approximately 70-80 kDa 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

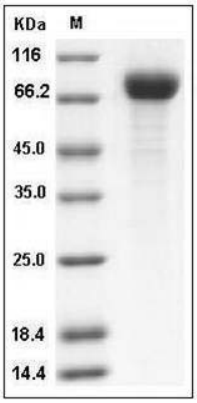
Storage

Store it under sterile conditions at -20℃ 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 H1N2 (A/swine/Guangxi/13/2006) Hemagglutinin / HA Protein (His Tag) SDS-PAGE