H1N1 HA (His Tag) recombinant protein

Catalog Number: 501845

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of the influenza A H1N1 (A/Solomon Islands/3/2006 (H1N1)) hemagglutinin (ABU99109.1) (Met 1-Gln 528, HA1+HA2, uncleved), was fused with a C-terminal polyhistidine tag.

Organism

H1N1

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to agglutinate human red blood cells.
HA titer is 2-8 μg/mL for 1% HRBC.

Purity

> 97 % 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 H1N1 hemagglutinin (A/Solomon Islands/3/2006 (H1N1)) comprises 522 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 60-70 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

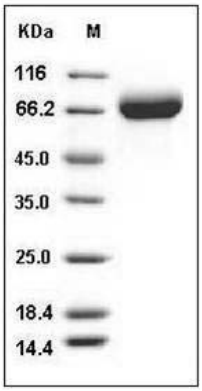
Storage

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 H1N1 (A/Solomon Islands/3/2006) Hemagglutinin / HA Protein (His Tag) SDS-PAGE