

H1N1 HA (full length) recombinant protein



Catalog Number: 504377

General Information

Protein Construction

A DNA sequence encoding the Influenza A virus (A/California/04/2009 (H1N1)) hemagglutinin (Met1-Ile566), termed as HA, was expressed.

Organism

H1N1

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

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

HA titer is 2-10 $\mu\text{g}/\text{mL}$ for 1%GRBC

Purity

> 90 % 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°C

Predicted N terminal

Asp 18

Molecular Mass

The recombinant hemagglutinin of Influenza A virus (A/California/04/2009 (H1N1)) consists 549 amino acids and predicts a molecular mass of 61.5 kDa.

Formulation

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.5.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

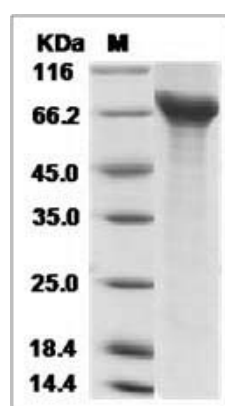
Storage

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 H1N1 (A/California/04/2009)
Hemagglutinin / HA Protein